



Long Comment Regarding a Proposed Exemption Under 17 U.S.C. § 1201

Comments from Researchers Affiliated with MIT, Princeton Center for Information Technology Policy, and Stanford Center for Research on Foundation Models Ninth Triennial Proceeding, Class 4

Item A. Commenter Information

This comment was prepared by an interdisciplinary group of academic researchers with experience related to generative AI evaluation; the researchers are affiliated with the MIT Media Lab, Princeton’s Center for Information Technology Policy, and Stanford’s Center for Research on Foundation Models among other academic institutions. Some of us recently came together to call for a safe harbor for AI evaluation and red teaming via an academic article¹ and an open letter signed by over 350 leading researchers, journalists, and advocates.² The commenters are writing in their individual capacities and this comment does not reflect the views of their academic institutions as a whole.

Signatories

Kevin Klyman, Researcher at Stanford’s Center for Research on Foundation Models³

Shayne Longpre, PhD Candidate at MIT

Sayash Kapoor, PhD Candidate at Princeton University’s Department of Computer Science

Arvind Narayanan, Professor at Princeton’s Center for Information Technology Policy

Aleksandra Korolova, Assistant Professor at Princeton’s Center for Information Technology Policy

Peter Henderson, Assistant Professor at Princeton’s Center for Information Technology Policy

¹ Longpre, Kapoor, Klyman et al., “A Safe Harbor for AI Evaluation and Red Teaming,” March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

² “Open Letter: A Safe Harbor for Independent AI Evaluation,” <https://sites.mit.edu/ai-safe-harbor/>. See also: Tiku, “Top AI researchers say OpenAI, Meta and more hinder independent evaluations,” The Washington Post, March 5, 2024, <https://www.washingtonpost.com/technology/2024/03/05/ai-research-letter-openai-meta-midjourney/>.

³ Contact: Kevin Klyman, Center for Research on Foundation Models, Gates Computer Science Building, 353 Jane Stanford Way, Stanford University, Stanford, CA 94305. kklyman@stanford.edu

Privacy Act Advisory Statement: Required by the Privacy Act of 1974 (P.L. 93-579)

The authority for requesting this information is 17 U.S.C. §§ 1201(a)(1) and 705. Furnishing the requested information is voluntary. The principal use of the requested information is publication on the Copyright Office website and use by Copyright Office staff for purposes of the rulemaking proceeding conducted under 17 U.S.C. § 1201(a)(1). NOTE: No other advisory statement will be given in connection with this submission. Please keep this statement and refer to it if we communicate with you regarding this submission.

Item B. Proposed Class Addressed.

Our comments are in support of the petition for a proposed exemption under Section 1201 of the Digital Millennium Copyright Act (DMCA) for Class 4: Computer Programs—Generative AI Research.

We believe that the Copyright Office should take a broad interpretation of the initial petition. Our understanding is that the initial petition is “refine[d] and expound[ed] upon” during later phases of the rulemaking.⁴ In addition to research on bias, an exemption should cover “trustworthiness” research related to identifying and mitigating potential AI risks like discrimination, impersonation, copyright infringement, hate speech, and other categories of harmful content. A narrow exemption for bias-related research and publishing would be helpful for responsible AI research, but would fail to address many of the larger issues related to safety and trustworthiness that are subject to good faith research and inhibited by DMCA Section 1201.

Bias is defined broadly by the petitioner, with reference to (i) “biases embedded within” generative AI models and systems, (ii) “inherent biases within these models,” (iii) “the potential [for generative AI models and systems] to perpetuate or even exacerbate systemic issues related to race, gender, ethnicity, and other sensitive factors,” (iv) “Biased AI systems,” (v) “researching biases,” and (vi) “Sharing of research findings, techniques, and methodologies that expose and address biases in these AI models.”⁵

These distinct invocations of bias reflect the expansive scope of this type of research, which can include research on (i) how different model assets cause a model to produce biased outputs (e.g. pre-training data, fine tuning data); (ii) how different modeling decisions cause a model to produce biased outputs (e.g. model architecture, model stages); (iii) how different components of an AI system cause a model to produce biased outputs (e.g. system prompts, output filters); (iv) how interventions to reduce the biases of an AI model do or do not succeed (e.g. reinforcement learning from human feedback, toxicity classifiers); and (v) what types of biased outputs are most frequent and why (e.g. evaluations related to racist, sexist, or otherwise toxic outputs). These are additional indications that the petitioner intends for the Copyright Office to read the petition broadly, and for proponents to—as the Copyright Office instructs—“further refine or expound upon” the initial petition.⁶

We also believe that this exemption should not be applied solely to *generative* AI models and systems. This is for three reasons. First, while generative AI models play an important role in the AI ecosystem, most AI systems are not generative and would benefit from further trustworthiness research by independent researchers. AI systems writ large suffer from the same inherent biases described by the petitioner, and there is limited independent research

⁴ Jonathan Weiss, Petition for New Exemption Under 17 USC 1201, Copyright Office, Ninth Triennial Rulemaking, <https://www.copyright.gov/1201/2024/petitions/proposed/New-Pet-Jonathan-Weiss.pdf>.

⁵ *Id.*

⁶ *Id.*

conducted on these issues,⁷ in part (as we explain below) due to potential technological protection measures and liability concerns under DMCA Section 1201. Second, the definition of generative AI is contested.⁸ As a result, an exemption limited to research on generative AI models and systems would present additional risks to researchers. For instance, a company might bring frivolous lawsuits against researchers on the basis that its systems are not “generative” in its own view, taking advantage of the fact that there is limited consensus on what constitutes a generative AI model.⁹ Third, large AI models that are typically used as components in generative AI systems (i.e. *foundation models*) can be adapted for a wide range of different downstream tasks.¹⁰ These types of models, which are an important part of the AI ecosystem,¹¹ might be used for tasks that are non-generative in the future, but they would not be able to be studied comprehensively under an exemption that applies only to generative AI models and systems.

We recommend that the Copyright Office use the definition of artificial intelligence from 15 U.S.C. 9401(3), which is also used in Executive Order No. 14110: “a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations, or decisions influencing real or virtual environments.”¹² This definition would encompass other, non-generative types of AI models that are also in need of independent evaluation.

The remainder of this comment refers to generative AI models and systems in line with the petitioner, though our submission is also applicable to other types of AI models and systems and we believe the exemption should be broader in scope.

⁷ Kenway et al., “Bug Bounties for Algorithmic Harms?” Algorithmic Justice League, 2022, <https://www.ajl.org/bugs>.

⁸ Feurriegel et al., “Generative AI,” Springer, 2024, <https://link.springer.com/article/10.1007/s12599-023-00834-7>.

⁹ Wright et al., “Null Compliance: NYC Local Law 144 and the Challenges of Algorithm Accountability,” March 13, 2024, <https://osf.io/4y7d2>.

¹⁰ Bommasani et al., “On the Opportunities and Risks of Foundation Models,” 2021, arxiv.org/abs/2108.07258.

¹¹ Bommasani et al., “Ecosystem Graphs: The Societal Footprint of Foundation Models,” 2023, arxiv.org/abs/2303.15772

¹² E.O. 14110 of Oct 30, 2023,

<https://www.federalregister.gov/documents/2023/11/01/2023-24283/safe-secure-and-trustworthy-development-and-use-of-artificial-intelligence>.

Item C. Overview

We support the petition to protect independent research on generative AI models and systems, as this type of research is essential for promoting safe, secure, and trustworthy development and deployment of generative AI. Our prior academic work on these issues demonstrates that good faith independent AI research can help uncover non-security related risks and harms, including those related to bias, discrimination, infringement, and toxicity. We have also found, however, that a lack of clear legal protection under DMCA Section 1201 adversely affects independent researchers who are evaluating generative AI models and systems in good faith.¹³ We support the petitioner’s request that the Copyright Office establish a new exemption to protect generative AI evaluation, and clarify the extent to which research on generative AI models and systems is currently protected by existing exemptions.

This comment addresses (i) technological protection measures and methods of circumvention, (ii) adverse effects on noninfringing uses, and (iii) and the proper scope of a potential exemption. In addition, we provide documentary evidence in the form of our academic research on these issues, which includes descriptions of potential technological protection measures and methods of circumvention, as well as asserted adverse effects on noninfringing uses. We also provide documentary evidence in the form of an accompanying open letter, signed by leading researchers in this field, calling for legal protections for independent AI research.

Item D. Technological Protection Measure(s) and Method(s) of Circumvention

Our recent paper motivates “A Safe Harbor for AI Evaluation and Red Teaming” describing a number of techniques that developers of generative AI models often use to restrict independent evaluation and red teaming, beyond their terms of service.¹⁴ It is possible that these may be considered technological protection measures that may be bypassed in the course of good faith research, and companies could bring DMCA Section 1201 claims against good faith researchers. This potential risk has a chilling effect on research. To be clear, the applicability of DMCA Section 1201 in some situations may be less clear, but we believe that a carefully crafted exemption which catches situations where Section 1201 *does* apply is important to prevent crucial research from being chilled.

Item D(1). The Scope of Technological Protection Measures for Generative AI Models and Systems

In a Long Comment submitted on behalf of The Entertainment Software Association, The Motion Picture Association, Inc., The News/Media Alliance, and The Recording Industry Association of America, Inc., the commenters state “As an initial matter, Proponents [such as the petitioner] do not identify what technological protection measures (‘TPMs’), if any, currently

¹³ Longpre, Kapoor, Klyman et al., “A Safe Harbor for AI Evaluation and Red Teaming,” March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

¹⁴ Longpre, Kapoor, Klyman et al., “A Safe Harbor for AI Evaluation and Red Teaming,” March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

exist on generative AI tools or models. This failure alone leads to the conclusion that the request for the proposed exemption should be denied.”¹⁵

There are a wide variety of potential strategies at the disposal of generative AI companies as this is a rapidly evolving field that could potentially be considered technological protection measures under the DMCA, in certain situations. In the event that the Copyright Office considers DMCA Section 1201 to apply to some classes of generative AI models and systems, it is possible that such strategies could be considered technological protection measures. Here we provide some examples of what could theoretically amount to technological protection measures for generative AI: (i) blocking model outputs (e.g. via a safety classifier or guardrails), (ii) blocking user inputs or prompts (e.g., via a filter in the user interface), (iii) requirements to create a revocable account to access the model or system,¹⁶ (iv) account suspensions, (v) account rate limits, (vi) restricting purchases of additional model usage, (vii) deprecating or making undocumented changes to a model/API that is actively being tested, (viii) limiting access to model or system outputs (e.g. by blocking access to logits after they were previously available), (ix) denial of access to information about what model(s) is being used in an AI system.¹⁷

Here we will focus mainly on two main categories: (i) blocking inputs and outputs; and (ii) suspensions, rate limits, and purchase restrictions on accounts. We discuss below how independent researchers might circumvent these measures in the course of good faith evaluation of generative AI models and systems.

There are a number of other potential technological protection measures that also have adverse effects on good faith research. According to our research, many AI companies are not transparent about when, how, and why they might implement such strategies,¹⁸ though we have found that some companies do currently implement such measures.¹⁹ We assess that the implementation of these technological measures to restrict access has intensified recently and will continue to intensify in the next three years, suggesting that the need for liability protections will grow more urgent.

¹⁵ The Entertainment Software Association, The Motion Picture Association, Inc., The News/Media Alliance, and The Recording Industry Association of America, Inc., Class 4 Long Comment at C, 2023, <https://www.regulations.gov/comment/COLC-2023-0004-0084>.

¹⁶ Hacking Policy Council comments, 9th Triennial Section 1201 Proceeding, United States Copyright Office, Dec. 21, 2023, <https://www.copyright.gov/1201/2024/comments/Class%20%20-%20Initial%20Comments%20-%20Hacking%20Policy%20Council.pdf>.

¹⁷ Pozzoban et al., “On the Challenges of Using Black-Box APIs for Toxicity Evaluation in Research,” 2023, <https://arxiv.org/abs/2304.12397>.

¹⁸ Bommasani et al., “The Foundation Model Transparency Index,” 2023, <https://arxiv.org/abs/2310.12941>.

¹⁹ Longpre, Kapoor, Klyman et al., “A Safe Harbor for AI Evaluation and Red Teaming,” March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

Item D(2). Examples of Technological Protection Measures and Methods of Circumvention in the Context of Generative AI Models and Systems

We describe some of the enumerated potential technical protections below. However, as we note earlier, there may be other technical protection measures—either for generative AI or other types of AI systems—that may still qualify, though we do not discuss them here. We believe an exemption should not specifically categorize technical protection measures. Rather these are examples currently used by AI companies. However, we again caution against an overbroad reading of DMCA Section 1201 liability in cases where this liability is uncertain.

These measures may be used to restrict access to copyrightable components (e.g., preventing copyrightable training data from being regurgitated), as well as non-copyrightable components. Nonetheless, to access and assess the trustworthiness and safety of models, researchers must often bypass these measures—sometimes in the context of assessing the effectiveness of the measures themselves.

1. Blocking inputs and outputs.

Generative AI companies use a variety of measures to block models from generating undesired or harmful outputs, such as adapting the model so that it is less likely to produce untrustworthy outputs (e.g. via reinforcement learning from human feedback) and adding a filter to the model to identify and halt such outputs. These filters may act as a barrier to access to certain features of the AI model as well as capability of an AI system it is incorporated into. These measures can be circumvented in the course of good faith research in several ways; for example, researchers can “fine tune” a model on additional data to remove guardrails that would otherwise make the model less likely to generate biased outputs.²⁰ Another approach is “jailbreaking” a model by circumventing these protection measures entirely, which may involve using prompts that contain text that would trigger filters on user inputs but do not with the addition of additional adversarial text.

Companies also rely on technological protection measures to block user prompts or queries to the model, such as applying filters in a user interface to identify and block banned keywords or prompts that violate a company’s acceptable use policy. Researchers can circumvent these input filters by finding gray areas with prompts that attack gaps in these protection measures so that the model generates otherwise undesirable outputs while bypassing model guardrails.

Researchers bypass filters/guardrails on both inputs and outputs to understand (i) what training data might be regurgitated, (ii) the limit of model behavior in the absence of guardrails, (iii) details that would indicate drivers of bias and untrustworthiness, (iii) and the limitations of the safety mechanisms themselves. These key questions, related to the inherent bias of AI systems, would otherwise be inaccessible without the aforementioned circumventions. Limiting these methods of circumvention can have a serious negative impact on independent AI research into

²⁰ Qi, Zeng, and Xie et al., “Fine-Tuning Aligned Language Models Compromises Safety, Even When Users Do Not Intend It To!” 2023, <https://arxiv.org/abs/2310.03693>

these problems.

2. Accounts suspensions, rate limits, and restrictions on purchases.

Generative AI companies regularly restrict account access and usage, in response to violations of their terms of service. These restrictions can include rate limits, restrictions on system purchases, and account suspensions. Companies terms of service and their accompanying enforcement mechanisms (filters, guardrails, account moderation) often do not differentiate between good faith research and, for example, malicious hackers, leaving little room for researchers to conduct independent evaluations of companies' models or systems without risk of repercussion. As our prior research shows, companies are also not transparent about the ways in which they suspend accounts, the justifications they provide for doing so (if any), or their appeals process for wrongful suspension.²¹

These account control measures can be circumvented by creating new accounts after a suspension (including by using a different credit card and phone number to register the account), using a colleague's account to gain access, or some other mechanism for bypassing the technical protection measure. However, circumventing these measures is often against terms of service - for example, some generative AI systems' terms limit users to a single account, forbid automated engagement, etc. - and by circumventing these measures, the researcher risks another ban and legal liability.²²

²¹ Bommasani et al., "The Foundation Model Transparency Index," 2023, <https://arxiv.org/abs/2310.12941>.

²² See, e.g., Midjourney Terms of Service: Midjourney reserves the right to suspend or ban Your access to the Services at any time, and for any reason. [...] You may not reverse engineer the Services or the Assets. You may not use automated tools to access, interact with, or generate Assets through the Services. [...] Only one user may use the Services per registered account. Each user of the Services may only have one account."

Item E. Asserted Adverse Effects on Noninfringing Uses

Our experience with on-the-ground research demonstrates that the absence of clear protections under DMCA Section 1201 adversely affects good faith research on generative AI models and systems. Moreover, we view it as likely that the lack of such protection will continue to adversely affect good faith AI research in the three years after this triennial proceeding.²³ The consensus on this issue in the academic community was demonstrated by the open letter we circulated this month, with over 350 AI researchers and advocates calling for a safe harbor for good faith evaluation of AI models.²⁴

Item E(1). Adverse chilling effects.

We identify two adverse effects on generative AI bias and trustworthiness research.²⁵ First, there is a chilling effect on research. While technological protection measures are intended as a deterrent against malicious actors, they also inadvertently restrict AI bias and trustworthiness research; companies forbid the research and may enforce their policies with account suspensions, rate limits, or restrictions on purchasing tokens. Companies implement these measures to varying degrees, but they can disincentivize good faith research by giving developers the power to block researchers' access to their models or even take legal action against them. There is often no formal mechanism for justification or appeal of account suspensions.²⁶ The risk of losing account access by itself may dissuade researchers who depend on these accounts for other critical types of AI research, and the potential legal consequences under laws like DMCA Section 1201 compound this adverse effect.

In one case, a model owner banned an independent researcher's account after they claimed that a generative AI model readily creates copyrighted images, something they discovered in the course of their research.²⁷ The model owner also banned the accounts that the researcher subsequently created and changed its terms to state "If You knowingly infringe someone else's intellectual property, and that costs us money, we're going to come find You and collect that money from You. We might also do other stuff, like try to get a court to make You pay our legal fees."²⁸ The threat of legal liability for circumventing access restrictions imposed on research that is fair use as a result of terms of service violations is an example of the need for safe harbor under Section 1201.

Second, there is a chilling effect on disclosure of AI flaws and vulnerabilities. It is unclear whether and how researchers should publicly release their findings, methodology or method of circumvention itself. In the absence of explicit protection, they may be too broad or too limited

²³ 17 USC 1201(a)(1)(C).

²⁴ "Open Letter, A Safe Harbor for AI Evaluation and Red Teaming," <https://sites.mit.edu/ai-safe-harbor>.

²⁵ Longpre, Kapoor, Klyman et al., "A Safe Harbor for AI Evaluation and Red Teaming," March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

²⁶ Bommasani et al., "The Foundation Model Transparency Index," 2023, <https://arxiv.org/abs/2310.12941>.

²⁷ Marcus and Southen, "Generative AI Has a Visual Plagiarism Problem," IEEE Spectrum, 2024, <https://spectrum.ieee.org/midjourney-copyright>.

²⁸ *Id.*

in how they share their results, to the detriment of the community—for instance, by only sharing findings with a small group of other researchers, such as close personal contacts.²⁹ When researchers are overly cautious in sharing their work it frequently results in siloed research that is less reproducible, or delayed disclosure, especially around sensitive findings, which is not in the public interest. Resources like the AI Incident Database and the AI Vulnerability Database, which help promote public safety, are undermined by such measures.³⁰

Item E(2). The proposed class includes at least some works likely protected by copyright.

There is some uncertainty on whether a machine learning model or its outputs are works protected by copyright.³¹

Nonetheless, in some situations—such as those where a generative AI system is embedded as part of a larger system with copyrightable components—just as prior exemptions have covered computer programs,³² there is likely some amount of copyrighted material in this broader system. Similarly, models may output some portions of their training data which may be protected by copyright. As we note previously, there may be cases where DMCA Section 1201 does not apply to covered actions, but the uncertainty of protections itself creates a chilling effect.

Item E(3). The research enabled by the proposed exemption is noninfringing.

Many types of research relating to evaluation of generative AI for bias and trustworthiness are noninfringing and fair use. In many cases, the model outputs themselves are not copyrightable according to recent Copyright Office guidance.³³ And the model itself may be not copyrightable either as a functional artifact. Even when model outputs are copyrighted, such as when training data is regurgitated, good faith research conducted on issues of trustworthy AI will be fair use.³⁴ Uses will be non-commercial and researchers will publish transformative aggregate assessments of evaluations of trustworthiness. But for the DMCA Section 1201 liability, among other sources

²⁹ Longpre, Kapoor, Klyman et al., “A Safe Harbor for AI Evaluation and Red Teaming,” March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

³⁰ Mujumdar et al., “AI Vulnerability Database: 2023 Year in Review,” AI Vulnerability Database, 2023, <https://avidml.org/blog/2023-in-review/>; Atherton, “Deepfakes and Child Safety: A Survey and Analysis of 2023 Incidents and Responses” AI Incident Database, 2024, incidentdatabase.ai/blog/deepfakes-and-child-safety/.

³¹ For further discussion on generative AI and copyright, see Henderson and Li et al., “Foundation Models and Fair Use,” 2023, <https://arxiv.org/pdf/2303.15715.pdf>; Lee, Cooper, and Grimmelmann, “Talkin’ ‘Bout AI Generation: Copyright and the Generative AI Supply Chain,” *Journal of the Copyright Society of the U.S.A. (Forthcoming)*, 2024, <https://arxiv.org/abs/2309.08133>; Lemley, “How Generative AI Turns Copyright Upside Down,” 2023, https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4517702; Longpre et al., “The Data Provenance Initiative: A Large Scale Audit of Dataset Licensing & Attribution in AI,” 2023, <https://arxiv.org/pdf/2310.16787.pdf>.

³² Register of Copyrights, Section 1201 Rulemaking: Sixth Triennial Proceeding to Determine Exemptions to the Prohibition on Circumvention, Recommendation of the Register of Copyrights at 316 (Oct. 8, 2015), <https://www.copyright.gov/1201/2015/registers-recommendation.pdf>.

³³ Copyright Registration Guidance: Works Containing Material Generated by Artificial Intelligence, 88 Fed. Reg. 16,190 (Mar. 16, 2023) (to be codified at 37 C.F.R. pt. 202)

³⁴ Henderson and Li et al., “Foundation Models and Fair Use,” 2023, <https://arxiv.org/pdf/2303.15715.pdf>.

of liability, researchers may be more willing to engage in trustworthiness research on real-world systems.

Item E(4). Changing Terms of Service Is Not a Substitute for an Exemption.

Efforts to encourage companies to change their terms of service to provide safe harbor for good faith independent research on AI bias and trustworthiness are a step in the right direction. However, we strongly urge the Copyright Office not to view such efforts as a substitute for an exemption under DMCA Section 1201 for good faith research.³⁵ This is for four reasons.

First, it would be unreasonable to expect researchers to negotiate terms of service changes with each AI system provider. Researchers have neither the resources nor legal expertise to do so, especially given the speed at which AI systems are proliferating across the digital landscape. We expect that relying on this effort alone would likely provide inconsistent protections across system providers, including many system providers that decline to provide any protections at all, and reduced independence for researchers.

Second, companies do not disclose adequate information about which technological protection measures they use (if any), which measure was invoked for a particular enforcement action, and whether there are mechanisms for appealing a company's decision to further control access in a specific case.³⁶ This ambiguity, which stems from opacity in organizational practices, implies that even changes to companies' terms of service (often tied to when technical protection measures are triggered) would not curtail the chilling effect of DMCA liability. This is further magnified by the fact that generative AI companies' models and systems form the basis for a consequential academic field of study. Researchers are loath to risk losing access to the world's most capable AI models, meaning that the chilling effect from even minor liability under DMCA Section 1201 is weighty.

Third, the variety of techniques that could potentially be viewed as technological protection measures (as well as potential measures that have not yet been deployed) and methods of circumvention is so vast that even broad changes to companies' terms of service would be unlikely to adequately mitigate the risks to researchers posed by DMCA Section 1201.

Fourth, changing terms of service does not offer affirmative defense from legal liability and still leaves the determination of whether research is conducted in good faith at the sole discretion of the company. Companies retain control over their terms, meaning they can change them at any time. Please see the attached documentary evidence for further evidence in this vein. A clear legal protection containing a standardized definition of good faith AI research, such as we propose below, would provide greater certainty for both AI researchers and AI system providers.

³⁵ Longpre, Kapoor, Klyman et al., "A Safe Harbor for AI Evaluation and Red Teaming," March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

³⁶ Bommasani et al., "The Foundation Model Transparency Index," 2023, <https://arxiv.org/abs/2310.12941>.

Item F. Exemption Language.

Here we discuss two categories of circumvention activity that should be protected under a new exemption:

- Conducting good faith evaluation: Evaluation or red teaming³⁷ of AI models' and systems' ability to generate biased or untrustworthy content, classify biased or untrustworthy content, or otherwise produce outputs related to such content. For example, good faith evaluation includes responsible assessments by academic researchers of an AI model's capabilities and failure modes on a custom dataset of harmful prompts, attempting to elicit output that would normally violate the model owner's terms of service. Evaluation for these types of biases is standard practice in the machine learning community, though developers do not explicitly authorize researchers to conduct such evaluations on their models.
- Publishing good faith research: Releasing findings related to bias or trustworthiness of a generative AI model or system for the purpose of advancing the trustworthiness of the AI system, and not in a manner that infringes on copyright.³⁸ For example, good faith research might include an assessment of the efficacy of a company's guardrails where researchers demonstrate that the guardrails are ineffective at preventing a certain kinds of hate speech, disclose this model flaw to the company so it can be mitigated, and then release their research quantifying the degree of the issue. Absent an exemption or authoritative guidance stating otherwise, researchers may fear that this constitutes trafficking of "technological tools that facilitate circumvention"³⁹ because such research often includes code or detailed specifications for how to carry out the specific procedure for removing guardrails, jailbreaking a model, or otherwise producing certain types of toxic content.

We support the exemption language provided by the Hacking Policy Council in its initial comments,⁴⁰ though we would change "alignment" to "trustworthiness" as it is a more commonly used and more broadly defined term for this context.⁴¹

³⁷ For discussion of auditing, see also OpenPolicy, "Long Comment Regarding a Proposed Exemption Under 17 U.S.C. §1201," 2023, <https://www.regulations.gov/comment/COLC-2023-0004-0064>; For discussion of red teaming, see E.O. 14110 at 3(d), 2023, <https://www.federalregister.gov/documents/2023/11/01/2023-24283/safe-secure-and-trustworthy-development-and-use-of-artificial-intelligence>.

³⁸ Longpre, Kapoor, Klyman et al., "A Safe Harbor for AI Evaluation and Red Teaming," March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

³⁹ *Green v. U.S. Dep't of Justice*, 392 F. Supp. 3d 68 (D.D.C. 2019)

⁴⁰ Hacking Policy Council comments, Ninth Triennial Section 1201 Proceeding, United States Copyright Office, Dec. 21, 2023, <https://www.copyright.gov/1201/2024/comments/Class%20%20-%20Initial%20Comments%20-%20Hacking%20Policy%20Council.pdf>.

⁴¹ National Institute of Standards and Technology, Artificial Intelligence Risk Management Framework, Second Draft, Aug. 18, 2022, pgs. 10-12, https://www.nist.gov/system/files/documents/2022/08/18/AI_RMF_2nd_draft.pdf.

We would also suggest that the Copyright Office ensure that any exemption does not implicitly suggest a broader scope of liability in cases where DMCA Section 1201 applicability is uncertain. In addition, it is possible that if the Copyright Office grants a complex, narrow exemption with many constraints it could undermine the goals of the exemption itself. Any exemption should not create additional process and itself chill research, particularly in cases where DMCA Section 1201 may not apply.

G. Documentary Evidence

As documentary evidence, we have attached our academic paper on this subject, “A Safe Harbor for AI Evaluation and Red Teaming,” as Appendix A.⁴² The paper was written by 23 leading academic experts from MIT, Princeton, Stanford, Georgetown, Brown, Carnegie Mellon, Virginia Tech, Northeastern University, UC Santa Barbara, Penn, and UIUC, as well as coalitions of independent researchers such as the AI Risk and Vulnerability Alliance and Eleuther AI. The paper extensively documents the barriers to AI research posed by technological protection measures, and the adverse effects of legal liability concerns on AI research.

We have also attached an open letter signed by more than 350 leading academics (75+ faculty members), journalists, and advocates as Appendix B.⁴³ The letter calls for a legal safe harbor for independent AI research related to trustworthiness and safety, which includes protections under DMCA Section 1201.

Our paper is based on the experiences of AI safety and security researchers of the chilling effect of potential legal liability if they attempt to bypass account restrictions and other technological protection measures. As generative AI continues to rapidly become more common, and potentially the subject of litigation or regulation, we believe these restrictions on independent AI research are likely to become more severe, making the need for legal protections for good faith research more urgent.

⁴² Longpre, Kapoor, Klyman et al., “A Safe Harbor for AI Evaluation and Red Teaming,” March 5, 2024, <https://arxiv.org/pdf/2403.04893.pdf>.

⁴³ “Open Letter: A Safe Harbor for Independent AI Evaluation,” <https://sites.mit.edu/ai-safe-harbor/>.

Appendix A

A Safe Harbor for AI Evaluation and Red Teaming

Shayne Longpre^{* 1} Sayash Kapoor^{** 2} Kevin Klyman^{** 3} Ashwin Ramaswami⁴ Rishi Bommasani³
Borhane Blili-Hamelin⁵ Yangsibo Huang² Aviya Skowron⁶ Zheng-Xin Yong⁷ Suhas Kotha⁸ Yi Zeng⁹
Weiyan Shi¹⁰ Xianjun Yang¹¹ Reid Southen Alexander Robey¹² Patrick Chao¹² Diyi Yang³ Ruoxi Jia⁹
Daniel Kang¹³ Sandy Pentland¹ Arvind Narayanan² Percy Liang³ Peter Henderson²

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Abstract

Independent evaluation and red teaming are critical for identifying the risks posed by generative AI systems. However, the terms of service and enforcement strategies used by prominent AI companies to deter model misuse have disincentives on good faith safety evaluations. This causes some researchers to fear that conducting such research or releasing their findings will result in account suspensions or legal reprisal. Although some companies offer researcher access programs, they are an inadequate substitute for independent research access, as they have limited community representation, receive inadequate funding, and lack independence from corporate incentives. We propose that major AI developers commit to providing a legal and technical safe harbor, indemnifying public interest safety research and protecting it from the threat of account suspensions or legal reprisal. These proposals emerged from our collective experience conducting safety, privacy, and trustworthiness research on generative AI systems, where norms and incentives could be better aligned with public interests, without exacerbating model misuse. We believe these commitments are a necessary step towards more inclusive and unimpeded community efforts to tackle the risks of generative AI.

2020), privacy concerns (Carlini et al., 2021; 2023), disinformation (Burtell & Woodside, 2023), self harm (Park et al., 2023), copyright infringement (Henderson et al., 2023; Gil et al., 2023), fraud (Stupp, 2019), weapons acquisition (Boiko et al., 2023; Urbina et al., 2022), and the proliferation of non-consensual and abusive images (Lakatos, 2023; Thiel et al., 2023), among others (Kapoor et al., 2024). To ensure sufficient public scrutiny and accountability, such high-impact systems should be evaluated (Liang et al., 2023; Solaiman et al., 2023; Weidinger et al., 2023) by *independent and external* entities (Raji et al., 2022; Birhane et al., 2024). Despite this, leading generative AI companies provide limited transparency and access into their systems, with transparent audits showing only 25% of policy enforcement and evaluation criteria were satisfied on average (Bommasani et al., 2023a); and with no company providing reproducible evaluations to characterize the effectiveness of their risk mitigations.

Leading AI companies’ terms of service prohibit independent evaluation into most sensitive model flaws (see Table 3). While these terms act as a deterrent to malicious behavior, they also restrict good faith research—auditors fear that releasing findings or conducting research could lead to their accounts being suspended, ending their ability to do such research, or even lawsuits for violating the terms of service. Already, in the course of conducting good faith research, researchers’ accounts have been suspended without warning, justification, or an opportunity to appeal (Marcus & Southen, 2024). While some companies authorize selected research through researcher access programs, their community representation remains limited and lacks independence from corporate incentives such as favoritism towards researchers aligned with the company’s values. Together, these observations stoke concerns that generative AI companies could emulate the transparency and accountability challenges with social media platforms—limiting researcher transparency and access can mitigate dangerous headlines, public relations fallout, and lawsuits, but at the expense of public interests (Abdo et al., 2022; DiResta et al., 2022).

As a group of researchers whose expertise spans AI red teaming, safety, and evaluation, as well as privacy, security, and the law, we have experienced first hand the negative

1. Introduction

Generative AI systems have been deployed rapidly in recent years, amassing hundreds of millions of users. These systems have already raised concerns for widespread misuse, bias (Deshpande et al., 2023), hate speech (Douglas Heaven,

¹MIT ²Princeton University ³Stanford University ⁴Georgetown University ⁵AI Risk and Vulnerability Alliance ⁶Eleuther AI ⁷Brown University ⁸Carnegie Mellon University ⁹Virginia Tech ¹⁰Northeastern University ¹¹UCSB ¹²University of Pennsylvania ¹³UIUC. * Corresponding author. ** Equal contribution. Correspondence to: Shayne Longpre <slongpre@media.mit.edu>.

TERMINOLOGY	CONTEXT
Usage Policy	A company’s usage policy dictates what uses of its AI systems are acceptable or unacceptable. Usage policies generally prohibit inputs that elicit a range of undesirable model outputs, beyond what is already illegal. For example, see Anthropic’s Acceptable Use Policy .
Terms of Service	A company’s terms of service imposes legal rules on users of their services. Violations of the usage policy are violations of the terms of service and can be enforced by terminating accounts or taking legal action.
Generative AI Evaluation & Red Teaming	In security fields, a red team refers to a group authorized to emulate an adversary’s attack against an organization’s security systems. This term has been adopted by the AI community to instead describe penetration testing of a broader set of system flaws than traditional security (The Hacking Policy Council, 2023). In this context, we are referring to testing of released systems by third party ethical hackers, who may or may have explicit consent.
Safe Harbor	A safe harbor is a measure to provide legal protection to hackers engaged in “good faith” research, abiding by pre-agreed rules of engagement, or vulnerability disclosure policy (e.g. HackerOne (2023)).
Good Faith Research	“Good faith <i>security</i> research means accessing a computer solely for purposes of good-faith testing, investigation, and/or correction of a security flaw or vulnerability, where such activity is carried out in a manner designed to avoid any harm to individuals or the public, and where the information derived from the activity is used primarily to promote security or safety...” (Department of Justice, 2022). We generalize this definition to research beyond security, including soliciting any unwanted behavior in the AI system normally disallowed by the company’s usage policy, which we broadly refer to as “safety research” in this work.
Vulnerability Disclosure Policy	A vulnerability disclosure policy establishes rules of engagement for third party ethical hackers. This includes disclosure requirements for discovered vulnerabilities, but also other mandatory protocols (Bugcrowd, 2023).
Chilling Effects	Chilling effects describe the inhibition or discouragement of important research, in this case due to a lack of legal and technical protections, as well as uncertain norms around AI evaluation and red teaming.

Table 1. We define and contextualize the technical terminology used in this work, which is often used in other disciplines.

effects of legal uncertainty and technical barriers to conducting important research (Table 2). To improve the status quo, we propose that generative AI companies commit to two protections for independent public interest research. First, AI companies should provide a **legal safe harbor** by offering legal protections for good faith research, provided it is conducted in line with vulnerability disclosure policies (as defined in Table 1). Second, companies should provide a **technical safe harbor**, protecting safety researchers from having their accounts subject to moderation or suspension. These are fundamental access requirements for inclusive evaluation of generative AI systems. Building on prior work for algorithmic bug bounties ([Elazari, 2018a](#); [Kenway et al., 2022](#); [Raji et al., 2022](#)) and social media data access ([Abdo et al., 2022](#)), we recommend ways to implement these protections for independent AI evaluation without undermining the processes that prevent model misuse. Specifically we propose that companies delegate account authorization to trusted universities or nonprofits, or provide transparent recourse for accounts suspended in the course of research. These voluntary commitments align with the stated goals of AI companies: to support wider participation in AI safety research, minimize corporate favoritism, and encourage community safety evaluations (see Appendix D). We hope generative AI companies will adopt these commitments to establish better community norms, improve trust in their services, and bolster much needed AI safety in proprietary systems.

2. Background & Motivations

Widely used online platforms can have significant socio-economic impact ([Zuboff, 2023](#); [Horwitz et al., 2021](#)). In this section we highlight three reasons to motivate new protections for independent research into generative AI platforms:

1. Social media research has been burdened by a lack of transparency and access, with a rise in legal repercussions for journalism and academic research ([Abdo et al., 2022](#); [DeLong, 2021](#); [Belanger, 2023](#)).
2. There is growing concern that widespread risks of generative AI will impact a wider swathe of society. Fostering wider participation in AI evaluation will require commitments to remove disincentives, obstacles, and favoritism in researcher access.
3. *Independent* AI evaluation is increasingly vital to fair assessments of AI risks, and informed policy debates.

We expand on each of these below, using terminology we define in Table 1.

2.1. Avoiding the Fate of Social Media Platforms

Prominent social media platforms block researcher access to the detriment of public interests. Civil societies and researchers argue that social media companies have systematically limited researcher access to their platforms,

restricting journalism and creating a chilling effect on critical public interest research (DiResta et al., 2022; Mozilla, 2023; Boyd et al., 2021; Persily, 2021). Specifically, platforms wield their terms of service to gatekeep access to publicly posted data and limit negative public exposure from independent research. Abdo et al. (2022) argue for “a safe harbor for platform research,” which would include legal provisions that protect researchers and journalists. In the absence of such provisions, researchers have reported platform gatekeeping, account suspensions, cease-and-desist letters and general fears of liability in the course of public interest research, which have resulted in chilling effects (DeLong, 2021; Barclay, 2021; Belanger, 2023). The computer and internet security fields have also seen contentious legal threats and lawsuits against academics (Greene, 2001; Brodtkin, 2021; dis, 2021), resulting in new guidelines from the United States Department of Justice that “good-faith security research should not be charged” (Department of Justice, 2022). Companies building generative AI models have the opportunity to protect good faith research before harm from their systems becomes as widespread as that from social media.

Conducting research on generative AI comes with additional challenges compared to social media. Compared to past digital technologies, prominent models require accounts to be used (unlike search engines), and their outputs are not publicly visible (unlike posts on many social media platforms) (Narayanan & Kapoor, 2023b). These factors provide developers with comparatively greater control over who accesses their systems, which could exacerbate gatekeeping. The lack of transparency from top developers compounds this issue, with little information available about how and where generative AI systems are used, and to what end (Bommasani et al., 2023b). For external researchers, the models themselves are also black boxes, as developers often do not disclose model architectures, sizes, or training data. This limits independent research to evaluate the risks, capabilities, safety, and societal impact of generative AI (Casper et al., 2024).

2.2. The Importance of Independent AI Evaluation

Concerns over the risks and harms of generative AI are mounting. Today, AI systems like ChatGPT have amassed over 100 million weekly users (Hu, 2023), exceeding the growth rate of social media platforms. Generative AI systems have already exhibited “unsafe” behavior—generating highly undesirable and even illegal content—attracting regulatory attention as a result. More specifically, generative AI systems can generate toxic content (Deshpande et al., 2023), libel, hate speech (Douglas Heaven, 2020), and privacy leaks (Carlini et al., 2021; 2023; Li et al., 2023a; Huang et al., 2023b; Nasr et al., 2023). They have also been used

to scale disinformation (Burtell & Woodside, 2023), fraud (Stupp, 2019; Commission, 2023), malicious tool usage (Li et al., 2023b; Pa Pa et al., 2023; Renaud et al., 2023), copyright infringement (Henderson et al., 2023; Gil et al., 2023; Jonathan, 2023; Shi et al., 2024; Longpre et al., 2023), non-consensual intimate imagery (Lakatos, 2023), and child sexual abuse material (Thiel et al., 2023), as well as provide instructions for self-harm (Park et al., 2023; Xiang, 2023), acquiring weapons (Boiko et al., 2023; Nelson & Rose, 2023), and building weapons of mass destruction (Urbina et al., 2022; Soice et al., 2023). At the extreme end, even CEOs of AI model developers have speculated generative AI will upend labor markets (Suleyman & Bhaskar, 2023) and even pose more severe risks (Barrabi, 2023; Hendrycks et al., 2023). These wide ranging concerns, from the developers themselves, motivate the need for protected independent access.

Independent AI evaluation and red teaming are crucial for uncovering vulnerabilities, before they proliferate.

Independent researchers often evaluate or “red team” AI systems for a broad range of risks. “Red teaming”, a subset of evaluation, has been adopted by the AI community as a term of art to describe these evaluations aimed at uncovering pernicious system flaws. In this work, we refer specifically to red teaming of *publicly released* AI systems (rather than pre-release testing), by *external* researchers, rather than internal teams. Some companies do also provide internal or by-invitation pre-release red teaming, e.g. OpenAI. While all types of testing are critical, external evaluation of AI systems that are already deployed is widely regarded as essential for ensuring safety, security, and accountability (Kenway et al., 2022; Anderljung et al., 2023; Raji et al., 2022). Post-release, external red-teaming research has uncovered vulnerabilities related to low resource languages (Yong et al., 2023), conjugate prompting attacks (Kotha et al., 2023), adversarial prompts (Maus et al., 2023; Zou et al., 2023; Robey et al., 2023), generation exploitation attacks (Huang et al., 2023a), persuasion attacks (Xu et al., 2023; Zeng et al., 2024), a wide range of jailbreaks (Wei et al., 2023; Shen et al., 2023; Liu et al., 2023; Zou et al., 2023; Shah et al., 2023), text-to-image vulnerabilities (Parish et al., 2023), automatic red teaming (Ge et al., 2023; Yu et al., 2023; Chao et al., 2023; Zhao et al., 2024), and undetectable methods for fine-tuning away safety mitigations within the platform APIs (Qi et al., 2023; Yang et al., 2023; Zhan et al., 2023). See Appendix E for additional examples. These works illustrate how such research benefits AI companies: the research community assists in-house research teams by uncovering vulnerabilities, sharing findings and data, before systems cause major harm.

Independent AI evaluation provides impartial perspectives, that are necessary for informed regulation As the

THEME	OBSERVATIONS
Chilling Effect on Research	Safety research can result in companies suspending researcher access, citing terms of service violations. This can have broad chilling effects as access is critical for the other work conducted by these researchers. Many researchers only begin their work after observing first-movers, and scope their practices to emulate those precedents. As a result, vital safety research may be delayed or circumscribed due to uncertainty and caution over account moderation outcomes.
Chilling Effect on Vulnerability Disclosure	It is unclear whether and how researchers should publicly release their findings, methods or the exploits themselves. In the absence of explicit guidance, they may be too broad or too limited in how they share their results, to the detriment of the community—for instance, by only sharing findings with a small group of other researchers, such as close personal contacts. When researchers are overly cautious in sharing their work it frequently results in siloed research that is less reproducible, or delayed disclosure, especially around the most sensitive findings, which could be to the detriment of public awareness.
Incentives to Tackle the Wrong Problems	There is an incentive to prioritize less important risks as the focus of safety work both for the uncertainty of repercussions from the companies or community. For instance, researchers might choose to investigate more benign prompt attacks rather than more offensive or dangerous attacks, such as focusing on text rather than more evocative visual outputs, or tool usage.
Favoritism and Imbalanced Representation	Admission into researcher access programs and favorable responses to safety work can be dependent on connections to the companies. For instance, there is a strong impression that access to OpenAI employees improves access to their programs. External researchers who are not already well connected may not hear back at all from their applications or receive any justification for rejection, as no obligation currently exists on the part of AI companies. Part of this may be due to companies being backlogged with applications from researchers, having dedicated few resources to this task. Costanza-Chock et al. (2022) point out the problems introduced by imbalanced auditor representation.
Unclear & Undefined Norms	Impressions of basic norms and expectations vary widely, including with respect to appropriate threat models, whether and when to notify companies in advance of publication, what forms of red teaming are acceptable, and whether to release findings, methods, or prompts at all, or how to do so responsibly. Additionally, the type of API access, moderation policies, disclosure processes, and even the likelihood of response to a disclosure vary dramatically by company, leaving researchers without well-defined protocols that would enable them to confidently conduct important safety and security work.
A Choice Between Open and Closed Access	Researchers prefer to red team deployed systems that have millions of users and therefore pose immediate risks. However, effective and rigorous research requires deep access to the model (Casper et al., 2024), which proprietary systems rarely provide. As Friedler et al. (2023) have noted, “for red-teaming conducted by external groups to be effective, those groups must have full and transparent access to the system in question.” In particular, researchers often require finer-grained access to internal model representations (e.g. “logits”), access to both the base and aligned model, and continual access to a static model, without its API changing or becoming deprecated. Additionally, the underlying source of moderation in closed systems is difficult to diagnose: did the moderation endpoint catch an inappropriate user input, did the model itself abstain from answering, or did the user interface curtail an inappropriate response?

Table 2. Themes and observations attributed to informal discussions among authors and colleagues working on AI evaluation and red teaming. We describe the main challenges to conducting rigorous evaluations of widely used generative AI systems.

above examples have shown, independent research has uncovered unexpected flaws, aiding company efforts, and expanding the collective knowledge around both vulnerabilities and defenses. These findings have informed the policy and regulatory discussions, including around the types of model vulnerabilities, and their comparative safety of open and closed foundation models ([Narayanan & Kapoor, 2023a](#); [Lambert, 2023](#)). However, as we shall see, it isn’t clear that we are seeing the full benefits from a thriving red teaming ecosystem (Section 3).

Without robust independent evaluation, companies’ own developer safety teams may not be sufficiently large or diverse to fully represent the diversity of global users their products already serve, and the scale of risks they have acknowledged ([Costanza-Chock et al., 2022](#)). While companies do invite third-party evaluators, there are well known conflicts

of interest without independence in the auditor selection process ([Moore et al., 2006](#)). As the Ada Lovelace Institute and another dozen civil societies remarked at the recent AI Safety Summit in the UK, “Companies cannot be allowed to assign and mark their own homework. Any research efforts designed to inform policy action around AI must be conducted with unambiguous independence from industry influence” ([Ada Lovelace Institute, 2023](#)).

3. Challenges to Independent AI Evaluation

We first discuss the mixed incentives and uncertainty faced by red teaming researchers, followed by analysis of the existing researcher protections, access programs, and their limitations.

AI Companies’ Terms of Service discourage community-

led evaluations. Many of the findings from the model vulnerability research mentioned in Section 2.2, such as jailbreaks, bypassing safety guardrails, or text-to-image exploits, are legally prohibited by the terms of service for popular systems, including those of OpenAI, Google, Anthropic, Inflection, Meta, Midjourney, and others. While these terms are intended as a deterrent against malicious actors, they also inadvertently restrict safety and trustworthiness research—both by forbidding the research, and enforcing it with account suspensions. While platforms enforce these restrictions to varying degrees, the terms disincentivize good faith research by granting developers the right to terminate researchers’ accounts (without appeal or justification) or even take legal action against them. The risk of losing account access may dissuade many researchers altogether, as these accounts are critical for a range of vulnerability and other AI research.

AI developers’ documentation often purports to support independent research; however, it does not clearly state the conditions under which evaluation and red teaming would not violate the usage policy, leaving researchers uncertain as to whether or how they should conduct their research. In Table 2, we share common themes attributed to discussions between ourselves and colleagues, summarizing their experiences conducting evaluation and red teaming research on generative AI platforms. These themes reflect an imperfect sample: they are skewed in that they represent the opinions of researchers *who chose to conduct safety research*, excluding those who chose not to, lacked access to the companies they would have evaluated, or were deterred for uncertainty of legal liability.

Independent AI evaluation is largely inconsistent, opaque, and challenging across companies. From our experience and discussions, the bulk of this research is concentrated on Meta models like Llama-2 (Touvron et al., 2023), or OpenAI models like ChatGPT (OpenAI, 2023a). Llama models are popular as they have downloadable weights, allowing a researcher to red team locally without having their account terminated for usage policy violations. OpenAI models are popular as they are accessible via API, are highly performant, and have widespread public use. While many researchers are tentative about red teaming OpenAI, usage policy enforcement is often lax. However, account suspensions in the course of public interest research have taken place, to our knowledge, for each of OpenAI, Anthropic, Inflection, and Midjourney, with Midjourney being the most prolific. We withhold details on most of these to respect the anonymity of researchers. As one example, independent evaluation by an artist found Midjourney has a “visual plagiarism problem” (Marcus & Southen, 2024). This resulted in their account being repeatedly suspended without warnings or justification. The cost of suspensions without refunds quickly tallies to hundreds of dollars, and

creating new accounts is also not trivial, with blanket bans on credit cards and email addresses.

AI companies have begun using their terms of service to deter analysis, particularly into copyright claims. Midjourney updated its Terms of Service to include penalties such as account suspension or legal action for conducting such research.¹ Midjourney’s Terms of Service states: “If You knowingly infringe someone else’s intellectual property, and that costs us money, we’re going to come find You and collect that money from You. We might also do other stuff, like try to get a court to make You pay our legal fees. Don’t do it” (Midjourney, 2023).² Llama 2’s license will also terminate access if model outputs are used as part of intellectual property litigation.³

Our analysis of company policies in Table 3 shows not all companies disclose their enforcement process (the mechanisms for identifying and enforcing violations of the usage policy). Google and Inflection are the only companies to provide the user any form of justification on how the usage policy is enforced. And, only for OpenAI, Inflection, and Midjourney did we find evidence of an enforcement appeals process. Without additional information on how companies enforce their policies, researchers have no insight into enforcement appeals criteria, or whether companies reinstate public interest research post-hoc.

Existing safe harbors protect security research but not other good faith research. AI developers have engaged to differing degrees with external red teamers and evaluators. OpenAI, Google, Anthropic, and Meta, for example, have bug bounties, and even safe harbors. However, companies like Meta and Anthropic currently “reserve final and sole discretion for whether you are acting in good faith and in accordance with this Policy”. They may revoke access rights to models, even open models like Llama 2 (Touvron et al., 2023), or hold the researchers legally accountable, at their discretion. This leaves clear ways to stifle and deter good faith research. Additionally, these safe harbors are tightly-scoped to traditional security issues like unauthorized account access.⁴ Developers disallow other model flaws named in their usage policies, including, “adversarial testing” (Anthropic, 2023), “jailbreaks”, bypassing safety guardrails, or generating hate speech, misinformation, or abusive imagery.

¹See <https://twitter.com/Rah11/status/1739155446726791470>

²See Section 10 <https://docs.midjourney.com/docs/terms-of-service>

³See Section 5c: <https://ai.meta.com/llama/license/>

⁴OpenAI expanded its safe harbor to include “model vulnerability research” and “academic model safety research” in response to an early draft of our proposal, though some ambiguity remains as to the scope of protected activities.

AI Company	AI System	Public API / Open	Deep Access	Researcher Access	Bug Bounty	Safe Harbor	Enforcement Process	Enforcement Justification	Enforcement Appeal
OpenAI	GPT-4	●	◐	●	●	◐ [†]	●	○	◐
Google	Gemini	●	○	○	●	○	○	◐	○
Anthropic	Claude 2	○	○	◐	○	◐ [‡]	●	○	○
Inflection	Inflection-1	○	○	○	○	○	○	◐	◐
Meta	Llama 2	●	●	●	●	◐ [‡]	○	○	○
Midjourney	Midjourney v6	○	○	○	○	○	○	○	◐
Cohere	Command	●	○	●	○	◐	○	○	○

Table 3. A summary of the policies, access, and enforcement for major AI systems, suggesting a challenging environment for independent AI research. We catalog if each system has a public API, deeper access than final outputs (e.g. top-5 logits for OpenAI), researcher access programs, security research bug bounties, any legal safe harbors, and whether they disclose their account enforcement process, disclose justification on enforcement actions, and have an enforcement appeals process. ● indicates the company satisfies this criteria; ○ indicates it does not, and ◐ indicates partial satisfaction. [‡] Indicates security-only research safe harbors, “solely at [their] discretion”. [†] Indicates a safe harbor for security and “academic research related to model safety”. The latter was added by OpenAI in response to reading an early draft of this proposal, though some ambiguity remains as to the scope of protected activities. Full details are provided in Table A1.

Among other safety research commitments, some companies publish reports on internal evaluation efforts, while others selectively invite third parties to participate in pre-release red teaming, or have researcher access programs for deeper access to released models. These are laudable initiatives, especially when they are accompanied by subsidized credits for researchers (OpenAI, 2024). Nonetheless, these measures leave significant gaps in the ecosystem for independent evaluations. Reports on internal red teaming are often largely irreproducible and generate limited trust due to mismatched corporate incentives (e.g. Anthropic (2023b)). Invitations to third-party researchers are limited and can be self-selecting. And researcher access programs, if available, often do not notify researchers of rejections and thus create an environment of uncertainty (Bommasani et al., 2023b). Researchers have argued that a patchwork of policies like these can create a veneer of open and responsible research, without lifting other obstacles for participatory research (Krawiec, 2003; Zalnieriute, 2021; Whittaker, 2021).

Companies should take steps to facilitate independent AI evaluation and reduce the fear of reprisals for safety research. The gaps in the policy architectures of leading AI companies, depicted in Table 3 force well-intentioned researchers to either wait for approval from unresponsive access programs, or risk violating company policy and potentially losing access to their accounts. The net result is a situation akin to companies gatekeeping access to their platforms and thereby restricting the scope of safety research, whether intentional or not. This research environment can limit the diversity and representation in evaluation, ultimately stymieing public awareness of risks to AI safety.

4. Safe Harbors

We believe that a pair of voluntary commitments could significantly improve participation, access, and incentives for public interest research into AI safety. The two commitments are: (i) a **legal safe harbor**, protecting good faith, public interest evaluation research provided it is conducted in accordance with well established security vulnerability disclosure practices, and (ii) a **technical safe harbor**, protecting this evaluation research from account termination; summarized in Figure 1. Both safe harbors should be scoped to include research activities that uncover *any system flaws*, including all undesirable generations currently prohibited by the usage policy. As we shall argue later, this would not inhibit existing enforcement against malicious misuse, as protections are entirely contingent on abiding by the law and strict vulnerability disclosure policies, determined ex post. Existing safe harbor resources (Etcovich & van der Merwe, 2018; Pfefferkorn, 2022; HackerOne, 2023), and vulnerability disclosure policies (Blog, 2010; Bugcrowd, 2023) provide grounding for these proposals. In particular, Elazari (2018b; 2019); Akgul et al. (2023); Kenway et al. (2022) discuss the implementations of algorithmic bug bounties, Walshe & Simpson (2023) note ambiguities on formal constraints, and Raji et al. (2022) explore governance for third-party AI audits, including legal protections for researchers. The legal safe harbor, similar to the proposal by Abdo et al. (2022) for social media platforms, would safeguard certain research from some amount of legal liability, mitigating the deterrent of strict terms of service and the threat that researchers’ actions could spark legal action by companies (e.g. under US laws such as the CFAA or DMCA

Section 1201). The most important condition of a legal safe harbor is the determination of acting in good faith should not be “at the sole discretion” of the companies, as Meta and Anthropic have currently defined it. The technical safe harbor would limit the practical barriers erected by usage policy enforcement, with consistent and broader community access for important, public interest research. Together these steps would reduce the legal and practical obstacles to conducting independent evaluation and red teaming research.

4.1. A Legal Safe Harbor

A legal safe harbor could mitigate risks from civil litigation, providing assurances that AI platforms will not sue researchers if their actions were taken for research purposes. Take, for example, the U.S. legal regime, which governs many of the world’s leading AI developers. The Computer Fraud and Abuse Act (CFAA), which allows for civil lawsuits for accessing a computer without authorization or exceeding authorized access (CFAA, 1986), could be used by AI developers to sue researchers for accessing their models in a way that was unintended, though there are complexities to the legal analysis for adversarial attacks on AI models (Evtimov et al., 2019). Section 1201 of the Digital Millennium Copyright Act (DMCA) allows for civil lawsuits if researchers circumvent technological protection measures (TPMs), which effectively control access to works protected by copyright (DMCA, 1998a). These risks are not theoretical; security researchers have been targeted under the CFAA (Pfefferkorn, 2021), and DMCA § 1201 hampered security researchers to the extent that they requested a DMCA exemption for this purpose (Colannino, 2021). Already, in the context of generative AI, OpenAI has attempted to dismiss the New York Times v OpenAI lawsuit (Grynbaum & Mac, 2023) on the allegation that New York Times research into the model constituted hacking (Brittain, 2024). Relatedly, a petition for an exemption to the DMCA has been filed requesting that researchers be allowed to investigate bias in generative AI systems (Weiss, 2023).

Abdo et al. (2022) argue a safe harbor is oriented around conditions of access, rather than *who* gets access. The protections apply only to parties who abide by the rules of engagement, to the extent they can subsequently justify their actions in court. Typically, responsible vulnerability disclosure policies impose strict criteria for when the vulnerability should be disclosed, how long before it can be released to the public, privacy protection rules, and other criteria for the most dangerous exploits. Research that strays from those reasonable measures, or is already illegal, would not succeed in claiming those protections in an ex post investigation. As such, malicious use would remain legally deterred, and platforms would still be obligated to prevent misuse. Abdo et al. (2022) argue a safe harbor designed in this way, based on ex post researcher conduct, would not

enable malicious use any more than in its absence. Nor would it alter platforms’ obligations to protect their users against third parties or from enforcing malpractice.

Companies’ legal safe harbors would protect researchers from civil liability, not criminal liability. Knowingly querying a model to generate certain types of content, whether for red teaming or not, can be illegal in certain jurisdictions—particularly in the case of image- or video-generation systems (Gupta, 2024). Moreover, certain violations of DMCA § 1201, particularly those that are committed “willfully and for purposes of commercial advantage or private financial gain,” can lead to criminal liability (DMCA, 1998b), as can many violations of the CFAA. We would recommend governments provide clear guidelines and, where appropriate, safe harbors for safe and responsible red teaming of illegal content generated by models. Such safe harbors against criminal conduct may need to be codified into statute in order to be guaranteed. However, they could be implemented by statements of policy, for example, such as when the Department of Justice issued a new policy in 2022 stating that “good-faith security research should not be charged” (Department of Justice, 2022).

The US Executive Order on AI directs the National Institute of Standards and Technology (NIST) to establish guidelines for conducting red-teaming and assessing the safety of foundation models (Executive Office of the President, 2023). Standardizing a legal safe harbor for researchers would complement NIST’s comprehensive AI evaluation agenda and its AI Risk Management Framework (NIST, 2024; Tabassi, 2023). The US AI Safety Institute Consortium, a public-private research collaboration, could be used to promote the adoption of safe harbors among companies (NIST, 2023).

4.2. A Technical Safe Harbor

Legal safe harbors still do not prevent account suspensions or other enforcement action that would impede independent safety and trustworthiness evaluations. Without sufficient technical protections for public interest research, a mismatch can develop between malicious and non-malicious actors since the latter are discouraged from investigating vulnerabilities exploited by the former. We propose companies offer some path to eliminate these technical barriers for good faith research. This would include more equitable opportunities for researcher access, and guarantees that those opportunities will not be foreclosed for researchers who adhere to companies’ guidelines.

The challenge with implementing a technical safe harbor is distinguishing between legitimate research and malicious actors, without notable costs to developers. An exemption to usage moderation may need to be reviewed in advance, or at least when an unfair account suspension occurs. However, we believe this problem is tractable, and offer recommen-



Figure 1. A summary of the suggested mutual commitments and scope of a legal safe harbor, and technical safe harbor. These commitments extend existing safe harbors for security research as well as researcher access programs, and are written in the context of US laws. For a wider list of common researcher responsibilities consider [OpenAI's Rules of Engagement](#).

dations, grounded in prior proposals. First, we discuss how to scale up participation by delegating responsibilities to trusted independent third parties to *pre-review* researcher access. Then we discuss how an independently reviewed and transparent account suspension appeals process could enable fairer *post-review* to researcher access. Independent review and scaling participation are staples of both options.

Independent third parties like universities or NAIRR can scale participation in AI evaluation, without misaligned corporate incentives. To facilitate more equitable access, and reduce the potential for corporate favoritism, we propose the responsibility of access authorization be delegated to trusted third parties, such as universities, government, or civil society organizations. The U.S. National Artificial Intelligence Research Resource (NAIRR) offers a suitable vehicle for a pilot of this approach as it already partners with and shares resources between AI developers and nonprofits. AI developers provide resource credits through NAIRR, and OpenAI has called for wider participation: “by providing broader access to essential tools and data, we are opening doors for a diverse range of talents and ideas, furthering innovation and ensuring that AI development con-

tinues to be a force for the greater good” ([National Science Foundation, 2024](#)).

A similar approach has already been adopted to provide independent access to Meta’s social media user data, with the University of Michigan as the trusted intermediary ([González-Bailón et al., 2023](#)). This solution scales, with partner organizations likely to aid in access review in exchange for wider participation in AI red teaming. It also effectively diverts responsibility from corporate interests to organizations already invested in fair, responsible, and accountable AI research. These partnerships do not require AI developers to fully relinquish access control but are a meaningful step in facilitating more equitable access without stretching their own resources. Each partner organization’s API usage could be traced to their API keys—essentially a “researcher API”. Organizations would have autonomy to authorize their own network of researchers, but would be responsible for any misuse tied to their API keys.

A number of similar proposals, discussed in Section 5, have been made for independent researcher access, like structured access or review boards, both of which would delegate the responsibility of access selection to independent third

parties. While this approach scales well and adopts independent access privileges, it can have severe limitations if AI companies only select a very finite set of partners, or choose to exclude more critical organizations. As a start, we recommend allowing NAIRR to help formulate the partner network, to include a set of trusted international academic organizations, as well as nonprofits in NAIRR such as AI2, EleutherAI, and MLCommons. Already these changes would make significant strides in expanding access through independent review.

Transparent access and appeals processes can improve community trust. Some generative AI companies may be unwilling to share access authorization more widely. There is a clear alternative: commit to a transparent access appeals process that makes decision criteria and outcomes visible to the wider community. Ideally, this process would be reviewed independently, perhaps with the help of NAIRR partner organizations. Whenever public interest evaluation research is suspended, researchers should have the opportunity to appeal the decision under a technical safe harbor. Companies can adopt an access process with clearly codified selection criteria, guaranteeing they will respond to applicants within a certain period of time, with a justification for the outcome decision. While this would not address the need for additional resources, it would provide the AI community with significantly greater visibility into companies' decisions to grant access, and allow the community to apply collective pressure against any attempt to restrict legitimate research. The common denominator between pre-review and post-review technical safe harbors, described above, is providing a fair process to enable good faith research without the fear of unjustified account suspensions. In Appendix C we sketch an implementation of a pre-registration and appeals process, based on existing researcher access programs, that could facilitate implementation of a technical safe harbor.

There are many dimensions of improving researcher access, including earlier access, deeper access, and subsidized access. The technical safe harbor described is a precondition for more independent and broader participation across all these axes, should companies offer earlier, deeper, or subsidized access. While efforts by AI companies to broaden safety research, such as accepting community applications for pre-release red-teaming and subsidizing such research with compute credits are useful first steps, the safe harbors we propose would strengthen broader research protections while being more independent of AI companies' control.

5. Related Proposals

Our proposals for legal and technical safe harbors build on prior calls to expand independent access for AI evaluation, red teaming, and safety research. [The Hacking Policy](#)

[Council \(2023\)](#) has proposed that governments “clarify and extend legal protections for independent AI red teaming,” similar to our voluntary legal safe harbor proposal. The Council stated, “the same industry norms on providing time to mitigate before public disclosure, and avoiding retaliation for good faith disclosures, should eventually apply to AI misalignment disclosures as they do for security vulnerability disclosures.” The Algorithmic Justice League has advocated for vulnerability disclosure for algorithmic harms, calling for independent algorithmic audits involving impacted communities ([Costanza-Chock et al., 2022](#); [Kenway et al., 2022](#)). Moreover, AI Village hosts events where large groups of independent researchers red team generative AI models for a wide range of vulnerabilities ([Sven Cattell, 2023](#)). An array of researchers have recommended additional external scrutiny of the emerging risks and overall safety of frontier AI models to “improve assessment rigor and foster accountability to the public interest” ([Anderljung et al., 2023](#)). [Bucknall & Trager \(2023\)](#) have also proposed structured access for third party research via a dedicated research access API, with third-party independent review. Stanford’s Center for Research on Foundation Models has proposed an independent Foundation Models Review Board to moderate and review requests for deeper researcher access to foundation models ([Liang et al., 2022](#)).

Governments have also suggested the need for independent evaluation and red teaming. The US Office of Management and Budget’s Proposed Memorandum on Advancing Governance, Innovation, and Risk Management for Agency Use of Artificial Intelligence encourages federal agencies to consider as part of procurement contracts for generative AI systems “requiring adequate testing and safeguards, including external AI red teaming, against risks from generative AI such as discriminatory, misleading, inflammatory, unsafe, or deceptive outputs” ([United States Office of Management and Budget, 2023](#)). The EU AI Act states that providers of general-purpose AI models with systemic risks must share a “detailed description of the measures put in place for the purpose of conducting internal and/or external adversarial testing (e.g. red teaming), model adaptations, including alignment and fine-tuning” to the EU as part of their technical documentation ([European Council, 2024](#); [Hacker, 2023](#)). In addition, Canada’s Voluntary Code of Conduct on the Responsible Development and Management of Advanced Generative AI Systems includes a commitment that developers will “conduc[t] third-party audits prior to release” ([Innovation, Science and Economic Development Canada, 2023](#)).

6. Conclusion

The need for independent AI evaluation has garnered significant support from academics, journalists, and civil society.

Examining challenges to external evaluation of generative AI systems, we identify legal and technical safe harbors as minimum and fundamental protections. We believe they would significantly improve norms in the ecosystem and drive more inclusive community efforts to tackle the risks of generative AI.

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AI Company	AI System	Usage Policy	Deep Access	Researcher Access	Bug Bounty	Safe Harbor	Enforcement Process	Enforcement Justification	Enforcement Appeal
OpenAI	GPT-4	●[Link]	●[Link]	●[Link]	●[Link]	●[Link]	○[Link]	●[Link]	○[Link]
Google	Gemini	●[Link]	○	○	●[Link]	○[Link]	○[Link]	●[Link]	○[Link]
Anthropic	Claude 2	●[Link]	○	●[Link]	○	●[Link]	●[Link]	○[Link]	○[Link]
Inflection	Pi	●[Link]	○	○	○	○	○[Link]	●[Link]	●[Link]
Meta	Llama 2	●[Link]	●[Link]	●[Link]	●[Link]	●[Link]	○[Link]	○[Link]	○[Link]
Midjourney	Midjourney v6	●[Link]	○	○	○	○	○	○	●[Link]
Cohere	Command	●[Link]	○	●[Link]	○	●[Link]	○[Link]	○[Link]	○[Link]

Table A1. A summary of the policies, access, and enforcement for major AI systems, with links to evidence where applicable. ● indicates that a company satisfies or provides access to information in a column, ○ indicates it does not, and ● indicates partial satisfaction.

Appendix

A. Additional Considerations & Future Work

There are a number of future research directions that would help in making a safe harbor for AI evaluation and red teaming a reality. For instance, our proposal would benefit from further exploration of some of the challenging aspects in designing a technical safe harbor. In particular, to agree to such a commitment, AI companies will be concerned with protecting their own intellectual property and sensitive data. While restrictions on publicizing these valuable assets are often included in standard vulnerability disclosure policies, there is an implicit tension between expanding access to a greater number of independent researchers and ensuring compliance with disclosure policies. As AI models also expose new risks and harms, the definitions of “good faith” research may need to be flexible and evolve.

Our safe harbor proposals are formulated within the context of the US legal system. It is likely that different jurisdictions impose substantially different legal requirements related to research on the safety, security, and trustworthiness of AI. The use of geo-location in social media and search engines has allowed for digital platforms to tailor the behavior of their algorithmic systems based on each region. Generative AI companies may also adopt geo-location to customize their policies and enforcement of those policies by region. Future work should consider these changes and how a safe harbor proposal could work to achieve its aims in supporting fair, transparent, and inclusive good faith research internationally.

This line of research would also benefit from a more robust engagement with counterarguments to these proposals. While we believe the benefits of wider participation in independent AI safety and trustworthiness research will outweigh any risks to misuse, especially for well designed safe harbors, others may disagree. These trade-offs deserve more empirical analysis to understand the effects of such proposals.

B. Details on Access & Enforcement Policies

In Table 3 we summarize the policies, access, and enforcement for the major AI companies and their flagship systems. In Table A1 we link the evidence for each determination. And in this section we describe the criteria for each column in greater detail.

- **Usage Policy:** ● indicates that the company documents its acceptable usage policy, which they all do.
- **Deep Access:** ● indicates that the company provides some level of access to the AI system in question (OpenAI provides the top 5 logits and Meta provides open weights), ○ indicates there is no deeper access to the model (as is the case for all other companies).
- **Researcher Access:** ● indicates that the company maintains a researcher access program (OpenAI, or Meta with released model weights), ● indicates there is some access for researchers with some caveats (Anthropic has a limited early access program), ○ indicates there is no researcher access (as is the case for all other companies).

- **Safe Harbor:** ● would indicate that there is a legal safe harbor for model vulnerabilities beyond security research. ○ indicates there is form of commitment to research exemptions. OpenAI, Anthropic and Meta have a safe harbor only for security research. ○ indicates there is no safe harbor (all other companies). OpenAI’s new safe harbor (since updating in late January, in response to this proposal) is the closest to a full legal safe harbor, though there remains some ambiguity remains as to the scope of protected activities. For Cohere, while it does not have a safe harbor, their usage policy says “Note about adversarial attacks: Intentional stress testing of the API and adversarial attacks are allowable, but violative generations must be disclosed here, reported immediately, and must not be used for any purpose except for documenting the result of such attacks in a responsible manner.” Meta also provides a similar safe harbor for *in-scope* activities, which appear to be “integral privacy or security issues associated with Meta’s large language model, Llama 2, including being able to leak or extract training data through tactics like model inversion or extraction attacks.” However, like Anthropic, it’s safe harbor is determined at their sole discretion, and therefore provides limited benefit.
- **Enforcement process:** ● indicates that the company shares significant detail about how it enforces its usage policy such as the specific practices it uses for enforcement (OpenAI, Anthropic), ○ indicates there is little or no detail publicly available about the specific ways that the company enforces its usage policy (all other companies). Each company prescribes a prohibited set of uses, required by their terms of service, and all of these are enforced with moderation systems in the APIs and playgrounds, though only OpenAI and Anthropic openly disclose this. For instance, in GPT-4’s System Card OpenAI acknowledges using “a mix of reviewers and automated systems to identify and enforce against misuse”, and that policy-violating content will trigger warnings, suspensions and bans.
- **Enforcement justification:** ● would indicate that the company provides a specific reason for why a certain prompt or query was violative, ○ indicates that the company provides some detailed (if non-specific) justification when a user’s prompt or query is blocked or otherwise deemed violative (Google, Inflection), ○ indicates there is no significant justification provided (all other companies).
- **Enforcement Appeal:** ● indicates that the company provides an appeals process when it takes an enforcement action under its usage policy (OpenAI, Inflection, Midjourney), ○ indicates there is no appeals process (all other companies).

C. Implementation of a Technical Safe Harbor

In Section 4.2 we discuss two approaches by which companies can establish a technical safe harbor—by scaling researcher participation and enlisting independent judgement of what constitutes good faith research, without taxing corporate resources. These approaches offer two lenses: pre-review of research applications or post-review of suspended researchers. In reality, some combination of the two may be most convenient and efficient. Here we sketch a proposal for an independently reviewed appeals process (post-review), but that requires research pre-registration to ease the challenge of reviewing whether research is good faith. A key choice is to determine the set of acceptable institutions for research pre-registration, which would ideally be negotiated ahead of time with NAIRR. We sketch what the components of this system might look like:

- **Good Faith Research Pre-Registration:** Good faith researchers can pre-register their work, establishing in advance their affiliations, intent, and research goals, so the company can easily cross-reference flagged accounts with these detailed forms. Similar to the existing [OpenAI Researcher Access Program](#), or Twitter’s 2021 Researcher API (before it was decommissioned), the pre-registration form can include: Name, API key, institutional affiliations, evidence of affiliation (email and website), list of investigators, intended research focus, specific sensitive topics that violate the usage policy, timeline, etc.
- **Vulnerability Disclosure:** The researchers should tag vulnerability disclosures through the same platform, so these can be directly connected to the pre-registration form.
- **Criteria for Technical Safe Harbor:** If an account is flagged to a company, either because it violated its usage policy, or for some other reason, the company can directly cross-reference the account with pre-registered forms. If a pre-registration does not exist, the company can suspend the account. If a pre-registration form does exist, the company can review the account’s eligibility for an exemption from enforcement based on a number of factors: (i) is the account affiliated with a recognized academic or research institution, (ii) are the usage policy violations in line with the proposed research topics/timeline, and (iii) is there any evidence that the researcher has violated the vulnerability disclosure policy, such as publishing vulnerabilities without advance disclosure (in the required timeframe). We recommend that acceptable research institutions be negotiated in advance under the guidance of NAIRR. Ideally the group of acceptable research institutions would include major international universities as well as organizations with a track record for

trusted research, such as AI2, EleutherAI, and Masakhane. In the event that each of these criteria are met and the company still has concerns, it can suspend the account and then directly contact the organization or supervisor of the work, as disclosed in the form, with the justification for suspension.

- **Suspension Appeals Process:** If the account is suspended, despite the researcher having pre-registered their research plan, there may be an incongruity or ambiguity in their application. The account holder will have the option to appeal this process, ideally with an impartial, independent reviewer. If necessary, the company could escalate the appeal to the university or organization’s department leads, to ensure the organization stands by the researcher’s work. This would likely rule out the vast majority of malicious actors, and distribute the responsibility between AI companies and research institutions themselves. The appeals process should have standardized, well-documented criteria and a fair timeline (e.g. 30 days).

D. Company Support for Wider Participation in AI Evaluations

There is ample evidence that prominent AI companies are verbally committed to independent and broader AI system evaluations. OpenAI’s Sharing & Publication Policy states “we believe it is important for the broader world to be able to evaluate our research and products, especially to understand and improve potential weaknesses and safety or bias problems in our models” (OpenAI, 2023b). It remains unclear how this commitment relates to OpenAI’s terms of service and their enforcement.⁵ Anthropic has stated in its Core Views on AI Safety that “in the near future, we also plan to make externally legible commitments to only develop models beyond a certain capability threshold if safety standards can be met, and to allow an independent, external organization to evaluate both our model’s capabilities and safety” (Anthropic, 2023a). As part of its Secure AI Framework, Google has committed to “Expanding our bug hunters programs (including our Vulnerability Rewards Program) to reward and incentivize research around AI safety and security” (Hansen & Venables, 2023). Meta has highlighted the importance of external red teams in improving the safety of Llama 2, noting that “Our extensive testing through both internal and external red teaming is continuing to help improve our AI work across Meta” (Meta, 2023). In the same vein, Inflection states “Red-teaming is and will continue to be the engine at the heart of our evaluation framework. Red-teams provide the best indication of how a model will perform in real-world situations ... To do this, we commission outside experts as well as relying on our safety team. Inflection is currently building teams of highly specialized red-teamers that can bring their unique expertise to investigate models in a manner our ‘in-house’ teams would not have the context to do effectively” (Inflection, 2023). The Frontier Model Forum, comprised of OpenAI, Google, Anthropic, and Microsoft, states that one of its core objectives is “Advancing AI safety research ... Research will help promote the responsible development of frontier models, minimize risks, and enable independent, standardized evaluations of capabilities and safety.”

E. Additional Red Teaming Work

In addition to the works on AI audits, red teaming, and evaluations cited in Section 2, there are many other notable works, worthy of further discussion. Shah et al. (2023) find GPT-4 will give instructions for making weapons and narcotics. Fang et al. (2024) shows how GPT-4 can be used to automatically hack websites in the right circumstances. Sharma et al. (2023) discuss the behavior of model sycophancy. Santurkar et al. (2023) show political and ideological biases systemic in AI models. Ji et al. (2023); Zhang et al. (2023) demonstrate the challenges with model hallucination. Qu et al. (2023) illustrates models’ capacities for harmful content generation. Lastly, Rando et al. (2022) red teams Stable Diffusion’s safety filters, revealing flaws.

⁵We emailed “papers@openai.com” to ask for clarification on research exemptions for the OpenAI Usage Policy, but received no response.

A Safe Harbor for Independent AI Evaluation



We propose that AI companies make simple policy changes to protect good faith research on their models, and promote safety, security, and trustworthiness of AI systems. We, the undersigned, represent members of the AI, legal, and policy communities with diverse expertise and interests. We agree on three things:

1. Independent evaluation is necessary for public awareness, transparency, and accountability of high impact generative AI systems.

Hundreds of millions of people have [used](#) generative AI in the last two years. It promises immense benefits, but also serious risks related to [bias](#), [alleged copyright infringement](#), and [non-consensual intimate imagery](#). AI [companies](#), [academic researchers](#), and [civil society](#) agree that generative AI systems pose notable risks and that independent evaluation of these risks is an essential form of accountability.

2. Currently, AI companies' policies can chill independent evaluation.

While companies' terms of service deter malicious use, they also offer no exemption for independent good faith research, leaving researchers at risk of account suspension or even legal reprisal. Whereas security research on traditional software has established voluntary [protections from companies](#) ("safe harbors"), clear norms from [vulnerability disclosure policies](#), and legal protections [from the DOJ](#), trustworthiness and safety research on AI systems has few such protections. Independent evaluators fear account suspension (without an opportunity for appeal) and legal risks, both of which can have chilling effects on research. While some AI companies now offer researcher access programs, which we applaud, the structure of these programs allows companies to select their own evaluators. This is complementary, rather than a substitute, for the full range of diverse evaluations that might otherwise take place independently.

3. AI companies should provide basic protections and more equitable access for good faith AI safety and trustworthiness research.

Generative AI companies should avoid repeating the mistakes of social media platforms, many of which have effectively banned types of research aimed at holding them accountable, with the [threat of legal action](#), [cease-and-desist letters](#), or other methods to impose [chilling effects on research](#). In some cases, generative AI companies have already suspended researcher accounts and even changed their terms of service to deter some types of evaluation (discussed [here](#)). Disempowering independent researchers is not in AI companies' own interests. To help protect users, we encourage AI companies to provide two levels of protection to research.

1. First, a legal safe harbor would indemnify [good faith](#) independent AI safety, security, and trustworthiness research, provided it is conducted in accordance with well-established [vulnerability disclosure](#) rules.
2. Second, companies should commit to more equitable access, by using independent reviewers to moderate researchers' evaluation applications, which would protect rule-abiding safety research from counterproductive account suspensions, and mitigate the concern of companies selecting their own evaluators.

While these basic commitments will not solve every issue surrounding responsible AI today, it is an important first step on the long road towards building and evaluating AI in the public interest.

Additional reading on these ideas: [a safe harbor for AI evaluation](#) (by letter authors), [algorithmic bug bounties](#), and [credible third-party audits](#). (Signatures are for this letter, not the further reading.)

List of Letter Signers:

Currently: 350+

Arvind Narayanan

Director of the Center for Information Technology Policy, Professor, Princeton University

Julia Angwin

Editor-in-chief, ProPublica

Mark Surman

President, Mozilla

Marietje Schaake

International Policy Fellow, Stanford HAI

Clem Delangue

Co-Founder & CEO at Hugging Face

Percy Liang

Associate Professor, Stanford University

Renee DiResta

Research Manager, Stanford Internet Observatory

Yejin Choi

Wissner-Slivka Chair of Computer Science, University of Washington / AI2

Suresh Venkatasubramanian

Professor, Brown University

Dhanaraj Thakur

Research Director, Center for Democracy & Technology

Deb Raji

Mozilla Fellow, UC Berkeley

Nate Persily

James B. McClatchy Professor of Law, Stanford University

Rebekah Tromble

Director of the Institute for Data, Democracy, and Politics, Associate Professor, George Washington University

Ethan Zuckerman

Associate Professor, University of Massachusetts Amherst

Daniel Ho

William Benjamin Scott and Luna M. Scott Professor of Law, Stanford University

Gary Marcus

Professor Emeritus, NYU

Alex “Sandy” Pentland

Director of MIT Connection Science, Professor, MIT

Stella Biderman

Executive Director, EleutherAI

Yacine Jernite

ML and Society Lead, Hugging Face

Dawn Song

co-Director of UC Berkeley Center on Responsible Decentralized Intelligence (RDI), Professor, UC Berkeley

Brendan Nyhan

James O. Freedman Presidential Professor, Dartmouth College

Rob Reich

McGregor-Girard Professor of Social Ethics of Science and Technology, Institute for Human Centered AI, Stanford University

Seth Lazar

Professor, Australian National University

Justin Hendrix

Adjunct Professor, NYU

Subhabrata Majumdar

President, AI Risk and Vulnerability Alliance

Francois Heinderyckx

Full Professor, Université libre de Bruxelles – ULB

Filippo Menczer

Distinguished Luddy Professor and Director of Observatory on Social Media, Indiana University

Caitlin Watkins

Executive Director, Observatory on Social Media, Indiana University

Peter Henderson

Assistant Professor, Princeton University

Diyi Yang

Assistant Professor, Stanford University

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Dr. Emma L. Briant

Associate Professor, Monash University

Anne Oeldorf-Hirsch

Associate Professor, University of Connecticut

Christopher Bail

Professor, Duke University

Weijie Su

Associate Professor, University of Pennsylvania

Henry Tuck

Director of Digital Policy, Institute for Strategic Dialogue (ISD)

Dylan Hadfield-Menell

Assistant Professor, MIT

Daniel Kang

Assistant Professor, UIUC

David Epstein

Executive Director of the Susilo Institute for Ethics in the Global Economy, Questrom School of Business, Boston University

Michael Zimmer

Director of the Center for Data, Ethics, and Society, Professor, Marquette University

Ruoxi Jia

Assistant Professor, Virginia Tech

Steven L. Johnson

Associate Professor of Commerce, University of Virginia

Camille François

Columbia University School of International & Public Affairs

Joshua Introne

Assistant Professor, Syracuse University

Ben Snyder

Associate Professor of Sociology, Williams College

Yoon Kim

Assistant Professor, MIT

J. Nathan Matias

Assistant Professor, Cornell University

Patricia Alessandrini

Assistant Professor, Stanford University, Center for Computer Research in Music and Acoustics (CCRMA)

Michael Best

Executive Director of the Institute for People and Technology, Georgia Tech

Andy Sellars

Clinical Associate Professor of Law, Boston University

Chaowei Xiao

Assistant Professor, University of Wisconsin, Madison

Stephan Lewandowsky

Professor, University of Bristol

Michael A. Specter

Assistant Professor, Georgia Tech

Aditi Raghunathan

Assistant Professor, Carnegie Mellon University

Jacob Steinhardt

Assistant Professor, UC Berkeley

Andrew Davis

Assistant Professor, Appalachian State University

Jekaterina Novikova

Science Lead, AI Risk and Vulnerability Alliance

Nathan Lambert

Allen Institute for AI

Jess Reia

Assistant Professor, University of Virginia

Aleksandra Korolova

Assistant Professor of Computer Science and Public Affairs, Princeton University

Avijit Ghosh

Applied Policy Researcher, Hugging Face

David Evans

Professor of Computer Science, University of Virginia

Zeerak Talat

Research Fellow, Mohamed Bin Zayed University of Artificial Intelligence

Heidi Saas

Data Privacy and Technology Attorney, H.T. Saas, LLC

Sabhanaz Rashid Diya

Executive Director, Tech Global Institute

Zining Zhu

Assistant Professor, Stevens Institute of Technology

Atoosa Kasirzadeh

Assistant Professor, University of Edinburgh

Dennis P. Maloney

Professor, Escuela Superior Politécnica del Litoral

Rose Jackson

Director, Democracy & Tech Initiative, The Atlantic Council's DFRLab

Kevin Crowston

Professor, Syracuse University

Vivek Srikumar

Associate Professor, University of Utah

Florian Tramèr

Assistant Professor, ETH Zurich

Jessica Newman

Director of the AI Security Initiative and Co-Director of the AI Policy Hub, UC Berkeley

Robin Crockett

Academic Integrity Lead, University of Northampton

Ted Lechterman

Assistant Professor, IE University

Willem Zuidema

Associate Professor NLP & XAI, University of Amsterdam

Tanu Mitra

Assistant Professor, University of Washington

Jordi Weinstock

Berkman Klein Center for Internet & Society

Anjana Susarla

Professor, Michigan State University

Lianwen Jin

Professor, Director of DLVC Lab, South China University of Technology

Brian Canada

Chair, Dept. of Computer Science and Professor of Computational Science, University of South Carolina Beaufort

Shannon Vallor

Baillie Gifford Professor of Ethics of Data and AI, The University of Edinburgh

Tanya de Villiers-Botha

Senior Lecturer: Philosophy; Head: Unit for the Ethics of Technology, Centre for Applied Ethics, Stellenbosch University

Laura Czerniewicz

Professor Emerita, University of Cape Town

Robert van Rooij

Director Institute for Logic, Language and Computation, University of Amsterdam

Brandon Silverman

Knight Fellow, George Washington's Institute for Data, Democracy and Politics

Gerard de Melo

Professor, Hasso Plattner Institute / University of Potsdam

Joshua Tucker

Professor and Co-Director of the Center for Social Media and Politics, New York University

Rajendra Akerkar

Professor, Western Norway Research Institute

Sebastain Gould

Adjunct Faculty, University of Denver

Laura Alonso Alemany

Professor, Universidad Nacional de Córdoba, Argentina

Adam Lopez

Reader (Associate Professor), School of Informatics, University of Edinburgh

Nathanael Fast

Director, USC Neely Center for Ethical Leadership and Decision Making

Marie desJardins

Retired AI researcher, professor, and dean

Svetlana Bodrunova

Professor and Head of Center for International Media Research

Tiffany Roman

Associate Professor of Instructional Technology, Kennesaw State University

Sarita Schoenebeck

Associate Professor, University of Michigan

Meredith L. Pruden

Assistant Professor, Kennesaw State University

Alice E. Marwick

Associate Professor, UNC Chapel Hill / Princeton University

Eun-Ju Lee

Director, Center for Trustworthy AI

Lewis A Riley

Professor, Ursinus College

Maria Savona

Professor, Science Policy Research Unit, university of Sussex and Dpt of Economics Luiss

Marten Risius

Senior Lecturer, The University of Queensland; incoming Professor, University of Applied Sciences Neu-Ulm

Jacob Metcalf

Data & Society

Gillian Hadfield

Schwartz Reisman Chair in Technology and Society, University of Toronto

H. Siegfried Stiehl

Prof. (ret.) Dr.-Ing., Universität Hamburg

Francesco Ferrero

Director, IT for Innovative Services Department, Luxembourg Institute of Science and Technology

Anand Anandalingam

Ralph J Tyser Professor of Management Science, University of Maryland

David A. Broniatowski

Associate Professor, The George Washington University

Einar Iván Monroy Gutiérrez

CEO-Investigador, ETHIA-UNAD

Weiyan Shi

Stanford & Assistant Professor, Northeastern University

Aviya Skowron

EleutherAI

Shayne Longpre

MIT

Sayash Kapoor

Princeton University

Kevin Klyman

Stanford University

Ashwin Ramaswami

Georgetown University

Yangsibo Huang

Princeton University

Zheng-Xin Yong

Brown University

Yi Zeng

Virginia Tech

Alex Robey

University of Pennsylvania

Borhane Blili-Hamelin

AI Risk and Vulnerability Alliance

Patrick Chao

University of Pennsylvania

Reid Southen

Independent Artist & Researcher

Hailey Schoelkopf

EleutherAI

Luca Soldaini

Allen Institute for AI

Xiangyu Qi

Princeton University

Boyi Wei

Princeton University

Tianyu Pang

Sea AI Lab

Chao Du

Sea AI Lab

Robert Mahari

MIT

Helen Oliver

Birkbeck, University of London

Tobin South

MIT

Mintong Kang

UIUC

Suyash Fulay

MIT

Naana Obeng-Marnu

MIT

Suhas Kotha

Carnegie Mellon University

Nathan Butters

AI Risk and Vulnerability Alliance

Madhu Srikumar**Jad Kabbara**

MIT

William Brannon

MIT

Tinghao Xie

Princeton University

Chejian Xu

UIUC

Elinor Poole-Dayana

MIT

Stephen Casper

MIT

Carol Anderson

AI Risk and Vulnerability Alliance

Shrestha Mohanty

MIT

Ekin Akyürek

MIT

Tarcizio Silva

Mozilla Foundation

Alia ElKattan

NYU

Connie Moon Sehat

Hacks/Hackers

Ed Newton-Rex

Fairly Trained

Nathan Sanders

Harvard Berkman Klein Center

Kaili Lambe

Accountable Tech

Nathan Lile

CEO, SynthLabs.ai

Luke Neumann

CEO of Overlai

Tom Gruber

Founder, Humanistic AI

Jonas Kgomo

Founder, Equiano Institute

Marie-Therese Png

Oxford Internet Institute

Georgia Bullen

CEO, Superbloom Design

Christie Lawrence

Stanford University & Harvard University

Annika Thomas

MIT

Tony Wang

PhD Student, MIT

Dominic Lees

Associate Professor, University of Reading, Synthetic Media Research Network.

Markus Krebsz

Founding Director, The Human AI Institute / Honorary Professor, Stirling University (UK) / Clinical Professor of Practice, Woxsen University (India)

David D. Jensen

Professor, College of Information and Computer Sciences, University of Massachusetts Amherst

François Pelletier

Independant consultant, Je valide ça, service-conseil

Kirtan Padh

CEO, AI Transparency Institute

Amanda O'Mara

Cyber Training Program Coordinator, University of Cincinnati

Logan Kirkland

Founder & CEO, Azoth Corp

Paul Ekwere

Senior Manager, Data Innovation & AI @ BDO LLP UK

Tan Zhi Xuan

MIT

David Evan Harris

Chancellor's Public Scholar, University of California, Berkeley

Patrick Boehler

Principal, Gazzetta

Leon Derczynski

IT University of Copenhagen

Chandra Mouli Mudumba

Director of Product

pxiaoer

AIPwn.org CEO

Doug Beeferman

MIT

Enrique Chaparro

Security Research Coordinator, Fundación Vía Libre

Wayne Snyder

Boston University Computer Science

Gilles Moyse

CEO, reciTAL

Avijit Ghosh

Applied Policy Researcher, ML & Society, Hugging Face

Alice Oh

Professor, KAIST

Jonathan Richard Schwarz

Research Fellow, Harvard University

Neil Turkewitz

Artist Advocate #CreateDontScrape

Aaron Horowitz

Head of Analytics, American Civil Liberties Union

Matthew Kenney

Independent Researcher

Maksym Andriushchenko

PhD student at EPFL

Beni Beerl Isseibert

Head of AI Research and Ethics at Metaphysic LTD

Rebecca Balebako

Founder, Balebako Privacy Engineer

Leonard Tang

CEO, Haize Labs

Khoa Lam

Chief Product Officer, BABL AI Inc.

Sundaraparipurnan Narayanan

Advisor and Researcher, AI ethics and governance

Sev Geraskin

CTO / Co-Founder

Afreen Saulat

Director – 100kicks

Jacob Sanders

Creative Director/Professional Musician

Jorge Diego Hernandez Medina

Principal ML Engineer, Encora

Charles Foster

Lead AI Scientist, Finetune

Thomas Gouritin

CEO, tomg conseils

Roberto Lopez-Davila

Government attorney

Kweku Opoku-Agyemang

CEO and Chief Scientist, Machine Learning X Doing

Chris Graziul

Research Assistant Professor, University of Chicago

Florian Zimmermeister

AI @ PrimeLine

Sarah Fouts

Librarian, Columbus State Community College

Krystal Jackson

Non-Resident Research Fellow, UC Berkeley CLTC

Tania Duarte

Founder, We and AI

Koen Versmissen

Owner, Expertisecentrum Data-Ethiek

Morgan Klaus Scheuerman

Postdoctoral Associate, University of Colorado Boulder

Javier Rando

PhD Student, ETH Zurich

Edoardo Debenedetti

PhD Student, ETH Zurich

Ben Jacobsen

Graduate researcher, University of Wisconsin – Madison

Andrew

Princeton University and Opportunity Labs

Tatiana Caldas-Löttiger

CEO & Founder at IWIB4AI Think-Tank

Chris Lengerich

Founder, Context Fund

Declan Dunn

Founder, The AI Optimist

Shahan Ali Memon

Researcher, New York University in Abu Dhabi

Samira Khan

Social Innovation Leader

Maanas Sharma

MIT

Vikash Sehwal

Research Scientist, Sony AI

Frédéric Plamondon

Higher Ed Policy Advisor, PhD candidate

Anca Tenean

PhD Candidate, University of Bucharest

Mélissa M'Raidi-Kechichian

AI regulation expert

Peter Benson

Founder and CEO, Cyber-Psych

Jobst Heitzig

Lab Lead, FutureLab on Game Theory and Networks of Interacting Agents, PIK, Potsdam

Anshuman Suri

PhD Candidate, University of Virginia

Xianjun Yang

University of California, Santa Barbara

Riley Simmons-Edler

Harvard University

M. Giacobbe

Coord. Instructional Tech. & Assessment

Mario Guglielmetti

Legal officer

Peter Hase

PhD Candidate, University of North Carolina at Chapel Hill

Cheng-Long Wang

PhD Student, KAUST

Irma Mastenbroek

Freelance AI, bias and fairness researcher

Roya Pakzad

Taraaz; UVA

Nidhi Sinha

Center for AI and Digital Policy

Yong-Yeol Ahn

Indiana University

Wei Cheng

Senior Researcher

Sceenu Pangan

Director, Business Systems

Rylan Schaeffer

PhD Student, Stanford University

Sceenu Pangan

IT Director

Bogdana Rakova

Founder, Speculative Friction Initiative

Ian Messa

Undergraduate student, University of Colorado Boulder

Mariena Quintanilla

Founder, Mellonhead

Aniruddha Nrusimha

PhD Candidate, MIT

Keshav Ramji

University of Pennsylvania

Luciana Benotti

Universidad nacional de Córdoba, Argentina

Andrew Smart

Researcher, Google Research

Peter Morgan

CEO Deep Learning Partnership

Ricky D Crano

Humanities Researcher, UC Irvine

Saurabh Shah

ML Engineer, Apple

Cain Hillier

Upcoming Junior Researcher, EIAS

Vinaya Sivakumar

Student, UC Berkeley

J. Rosenbaum

RMIT, artist and researcher

Manish Shah

Founder

Jiayi Pan

PhD Student, UC Berkeley

Elizabeth Aguado Laos

Mcneese State University-Ignite Lab Project

Kushal Agrawal

Applied Scientist, Relativity

Ming Wang

PhD Candidate, Northeastern University (Shenyang)

Seungone Kim

KAIST

Andrew Hundt

Computing Innovation Postdoctoral Fellow, Carnegie Mellon University

Björn Bebensee

Research Engineer, Samsung Research

Sorab Ghaswalla

Convenor, AI For Real community

Kaushalya Madhawa

Researcher, University of Tokyo

John MacIntyre

Co Editor-in-Chief, AI and Ethics

Arnel Dela Cruz

Information Security Specialist (Philippine Government Retiree)

Mark Congdon Jr.

Assistant Professor of Communication Studies, Sacred Heart University

Jing Li

Assistant Researcher, Institute for Industrial Innovation and Finance (IIIF), Tsinghua University

Anubrata Das

Ph.D. Candidate, University of Texas at Austin

Seonghyeon Ye

KAIST

Caroline Friedman Levy

NIST AISIC Consortium, Risk Management Working Group

Joseph Cipriani

Attorney, Healthtech Industry

Ketan Modi

Mr

Zhimeng Guo

PhD Student, PSU

Gabriel Simmons

UC Davis

Jaehwan Lee

ML Engineer, Com2uS

Seongyun Lee

KAIST

Ole A. Kristoffersen

Key Account Manager

Aman Priyanshu

CMU

Leon Kester

Senior Research Scientist AI Safety, TNO Netherlands

Albrecht Zimmermann

Université de Caen Normandie

Giovanna Jaramillo-Gutierrez Ph.D FHCA

Milan and associates SRL, Belgium

Sebastian Sigloch

Head Data & Insights, Switch

Peter Jensen

CEO, BiocommAI

Siméon Campos

SaferAI

Milton Leal

AI Researcher, University of Sao Paulo

Ryan Steed

Doctoral Candidate, Carnegie Mellon University

Matthew R. DeVerna

Graduate Researcher, Indiana University

Homa Hosseinmardi

research staff

Ninell Oldenburg

University of Copenhagen

Giovanni Luca Ciampaglia

University of Maryland, College Park

Merouane Debbah

Khalifa University/TII

Susan Benesch

Executive Director, Dangerous Speech Project

Nora Benavidez

Senior Counsel, Free Press

Mimee Xu

PhD student, New York University

Adam Gleave

Founder & CEO, FAR AI

Andrew Buher

Princeton University and Opportunity Labs

Mikhail Gordon

Researcher, University of Surrey, School of Law

Andreas Haupt

Ph.D. Candidate, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology

Mohamed El Baha

ML engineer, Michelin

Lauren Wilcox

eBay, Georgia Tech

Samidh Chakrabarti

Stanford University

Alon Refaeli

Partner, Cyber Together

Luca Fregoso

Content Manager, Developer Talent Partner @ Codemotion

David Manfroy

Juridict.io, Belgium

Éric GOUAZÉ

associate lecturer

John Weiler

IT Acquisition Advisory Council (IT-AAC)

Jeanine Holden

Associate Director of Program Design

Ramak Molavi Vasse'i

Director

Xin Chen

PhD student, ETH Zurich

Arka Majhi

PhD Scholar, IIT Bombay & Visiting Professor, MITID Pune

George Simeo

Creative Director, simeo.me

Petar Tsankov

Co-founder & CEO at LatticeFlow AI

Kieran Kelly

Director of Consulting

Harmony Eidolon

Program Coordination, LIL

Mario Deshaies

CEO Preventera.online

Nadiyah Shaheed

Berkman Klein Center @ Harvard Law School

Kim Watkinson

Voice Over Artist

Jonathan Weiss

Founder, Chinnu Inc.

Tarun K. Verma

Research Assistant, IIT Bombay

Dr. Stephen Moskal

Postdoctoral Associate, MIT CSAIL

Philippe Beaudoin

CEO, Waverly

Hui-Lee Ooi

Postdoc, CHEO

Deval Pandya

VP – AI Engineering , Vector Institute

Oliver Li

Researcher, Uppsala University

Kevin Petrie

VP Research, Eckerson Group

Russell Ursula

Leading With Integrity Foundation Curacao

David O'Toole

Tech Policy Analyst

Quyet V. Do

Hong Kong University of Science and Technology

Bob Levy

Founder & CEO, Immersion Analytics

Philippe Paul Verstraete

Co-Founder, Milan and Associates SRL, Belgium

Jorly Metzger

Doctor of Technology Student, Purdue University

Peter Suber

Senior advisor for open access, Harvard Library

Michael P. Taylor

University of Bristol

Joseph Stewart

Concerned citizen, votet

Andrei Kucharavy**Nelson Daniel**

AI Curriculum Integration Manager, Palm Beach State College

Ranti Dev Sharma

Co-Founder

Kseniia Gnitko

Independent Security Researcher

Michelle Lam

PhD Student, Stanford University

Catherine Cronin

Independent

Xavier Brandao

Director and cofounder, #jesuislà

Ian Poynter

Retired CISO, Concerned Citizen

Andrew Sispoidis

Co-Founder / CEO

Jay B

Professional

Sanna J Ali

Policy Analyst, Stanford University

Gary A. Bolles

Chair for the Future of Work, Singularity University

Chris McLellan

Founder, Ask AI

Sri Ambati

Founder & CEO, H2O.ai

Farhan Malik

Architecture of Things

Yi Liu

PhD Student, City University of Hong Kong

Matt Abrams

Founding Partner, Democracy Capital

Massachusetts Institute of Technology

77 Massachusetts Avenue, Cambridge, MA, USA

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