



Assessing the Liability Risks of Generative AI

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Policy Statement

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Generative AI: A Tale in Two Parts



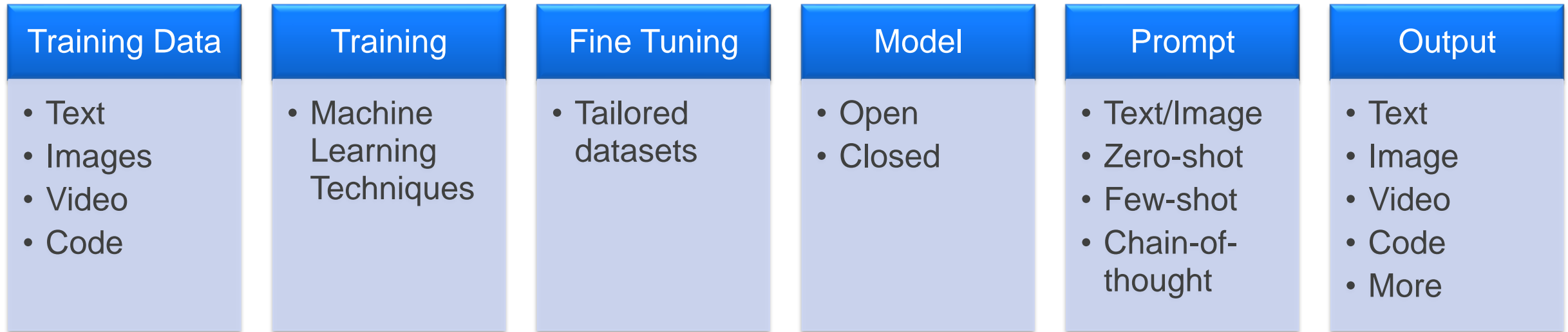
Part I

- Potential use cases are widespread
- Known and unknown potential flaws
- Possible systemic liability risk

Part II

- AI in the hands of bad actors
- AI as a possible accelerant to existing trends
- AI horizon risks

Generative AI: A Very Brief Introduction



<https://dl.acm.org/doi/pdf/10.1145/3442188.3445922>
<https://research.aimultiple.com/llm-fine-tuning/>
<https://developer.nvidia.com/blog/an-introduction-to-large-language-models-prompt-engineering-and-p-tuning/>

Generative AI: The Promise



Drug discovery

Diagnosis

Pandemic defense

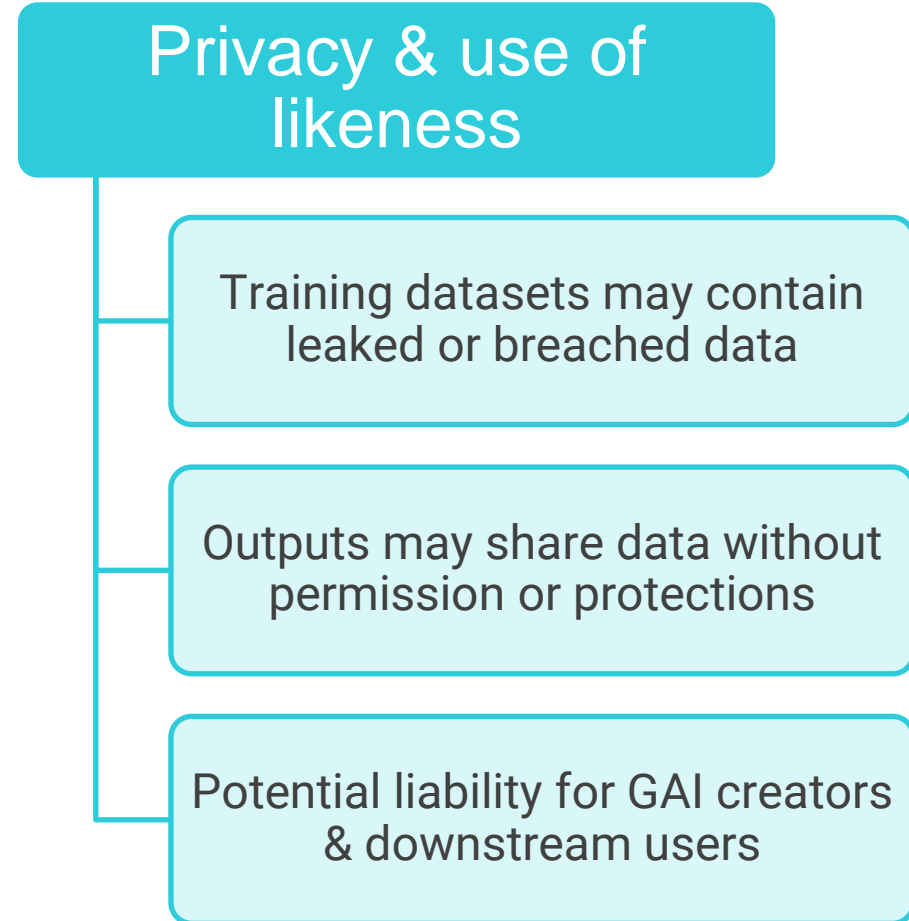
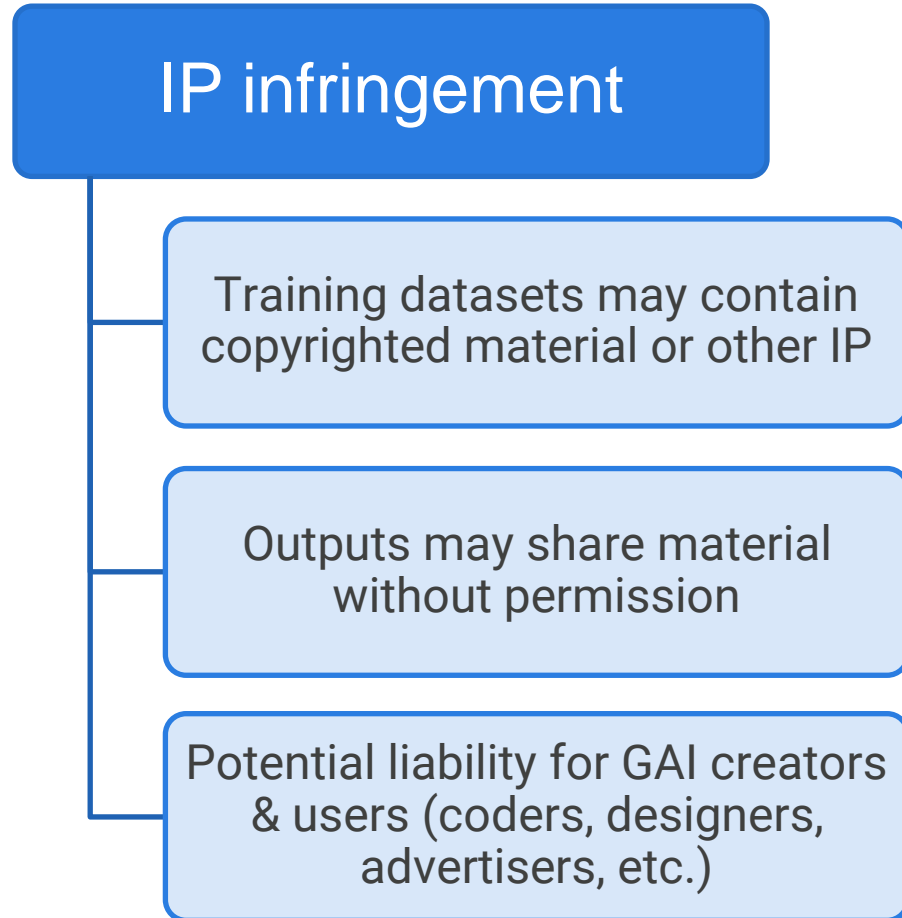
Process automation

GAI Applications Come with Potential Liability Concerns



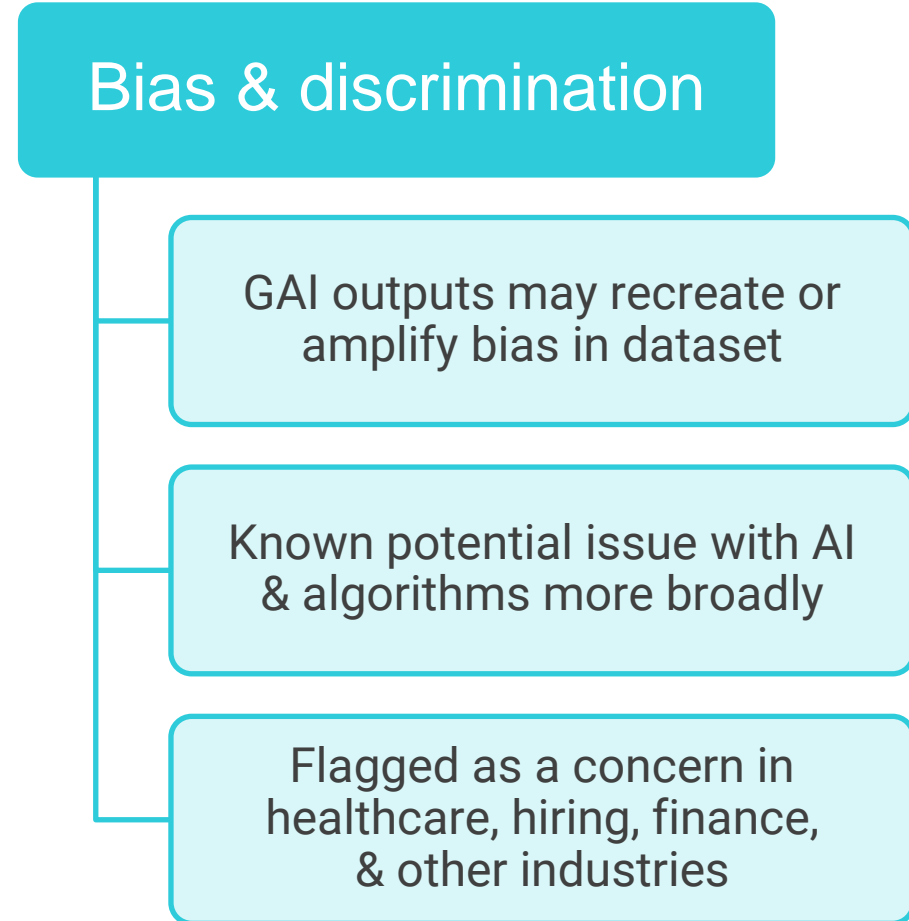
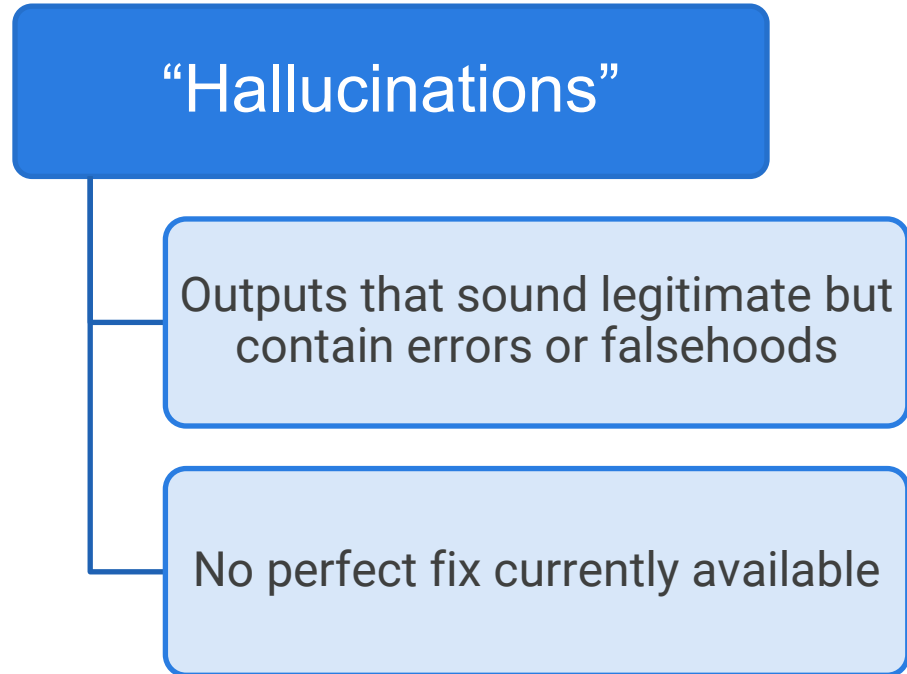
Some Known Potential Flaws in GAI Training and Outputs

Intellectual property and privacy concerns



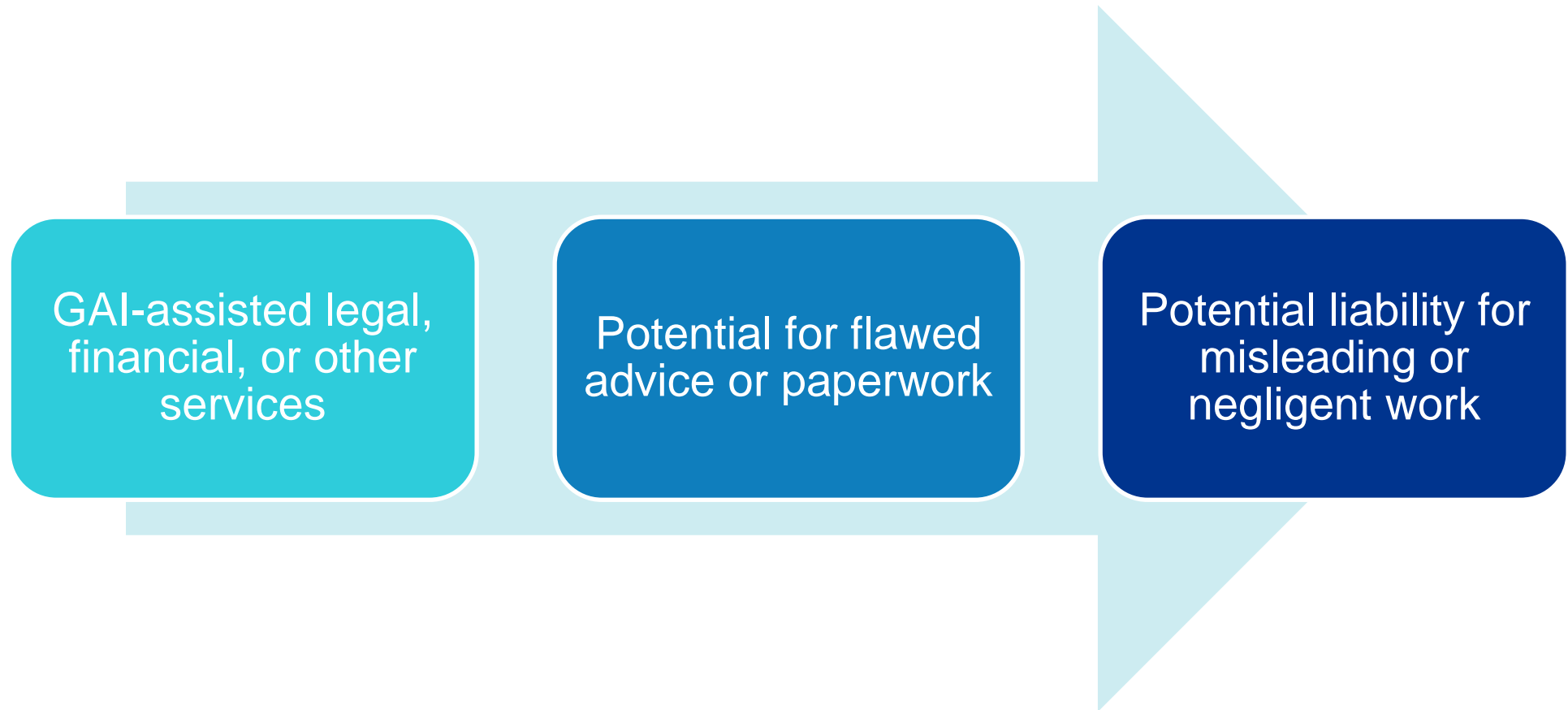
Some Known Potential Flaws in GAI Training and Outputs

Can lead to inaccurate responses and skewed outputs



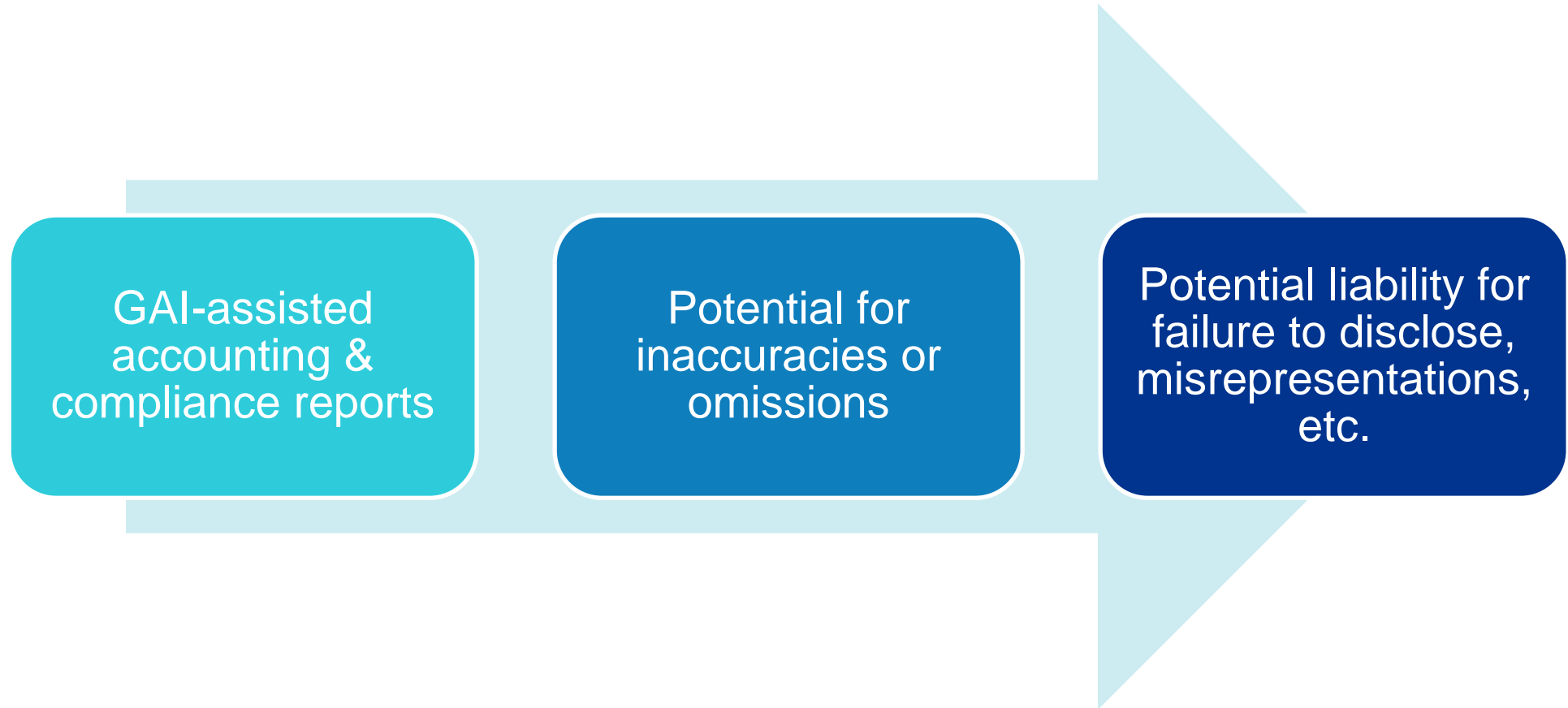
Potential Professional and Management Liability Risks

Professional services use cases



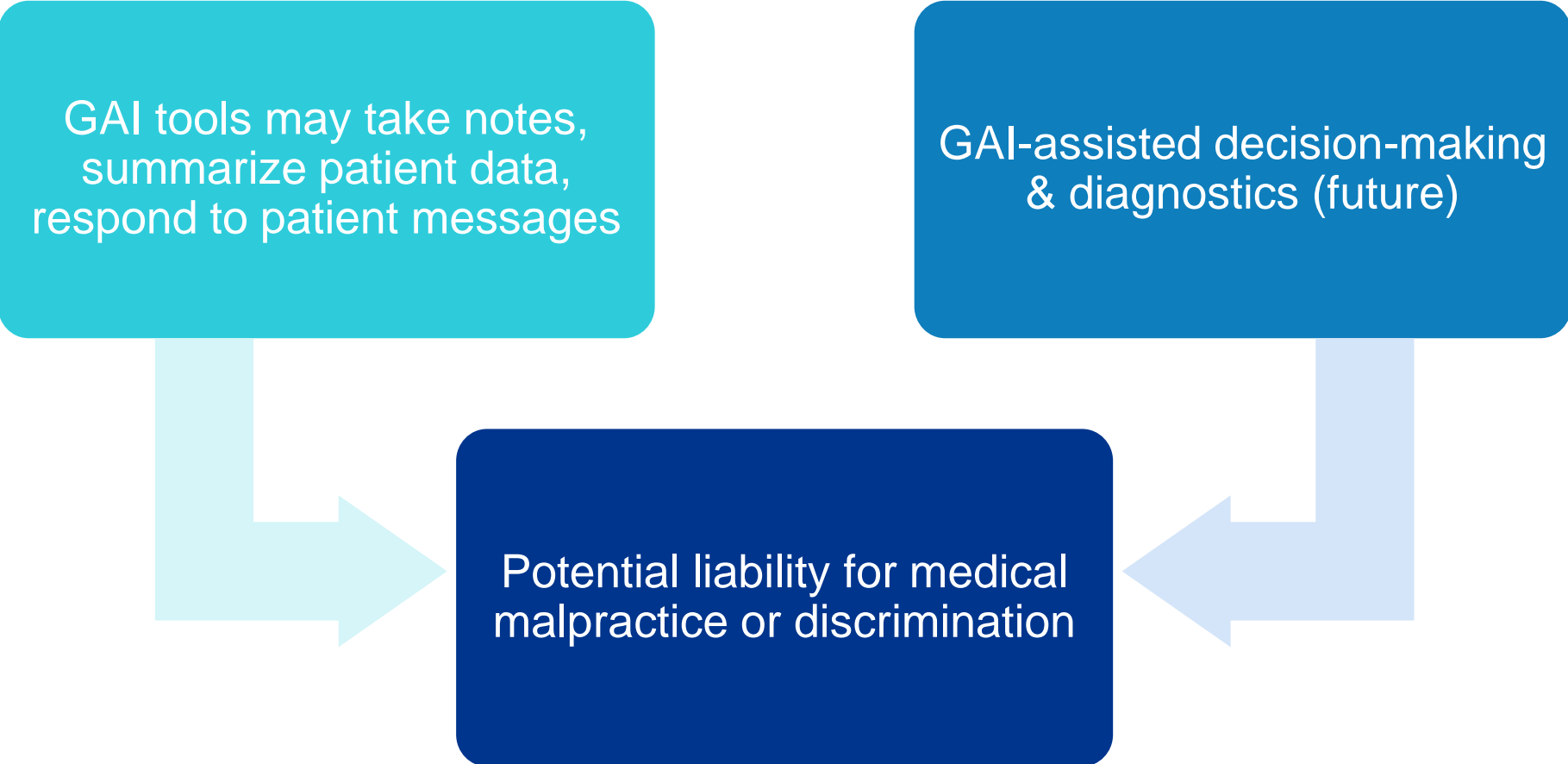
Potential Professional and Management Liability Risks

Corporate compliance use cases



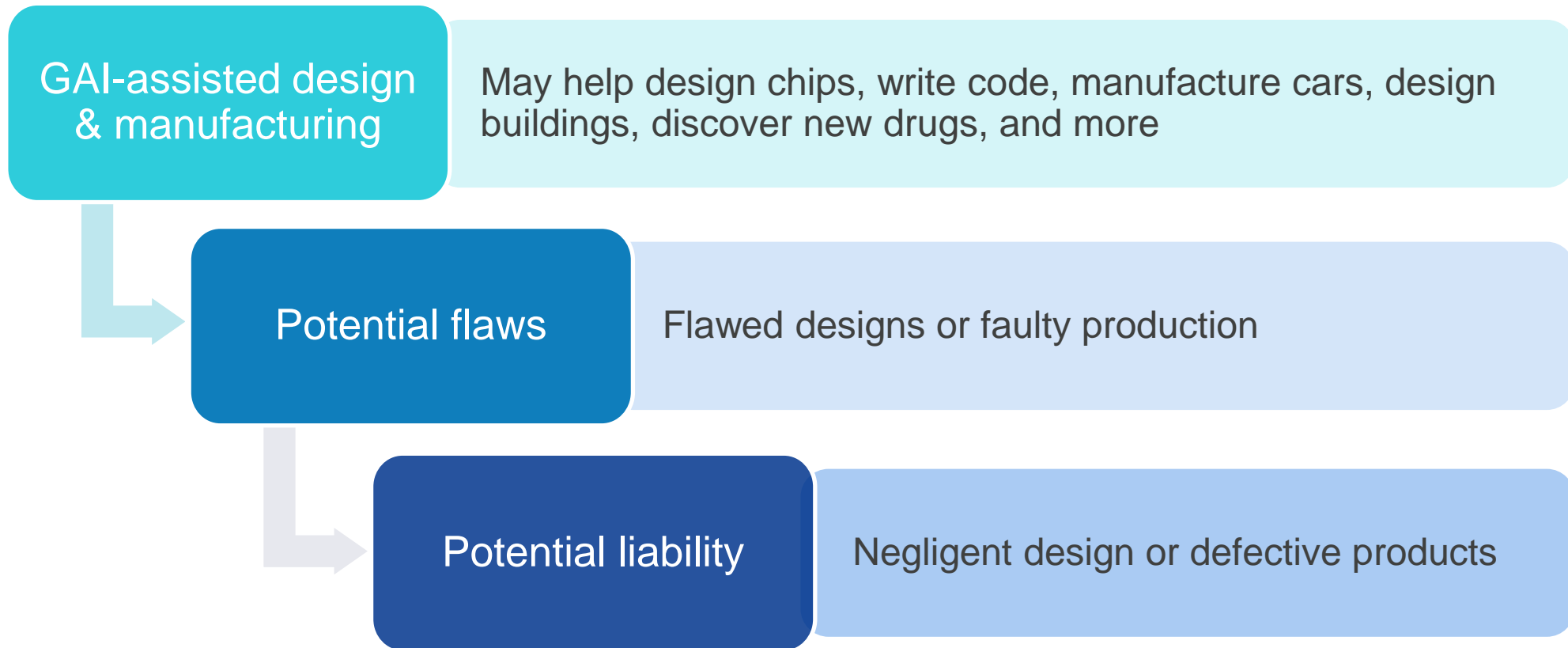
Potential Medical Liability Risks

Healthcare system use cases



Potential Product and Design Liability Risks

Design and manufacturing use cases



Could These Risks Be Mitigated?

Somewhat

GAI capabilities may improve overall

Human review, product testing, & other vetting

Narrower, more specialized datasets

However

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Not every flaw can be prevented

GAI transparency & quality testing are ongoing challenges

Upstream GAI applications may fly under radar

Generative AI: Cyber Concerns

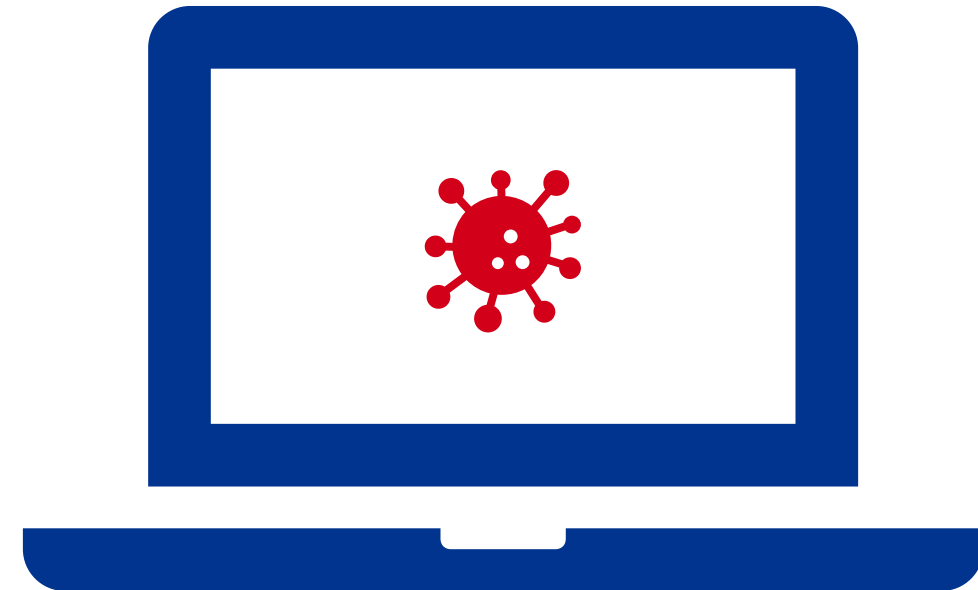
Voice clones & “Turing Text”

Deep fakes

Generative & DIY malware

Breaking biometrics

Malicious prompts & data poisoning



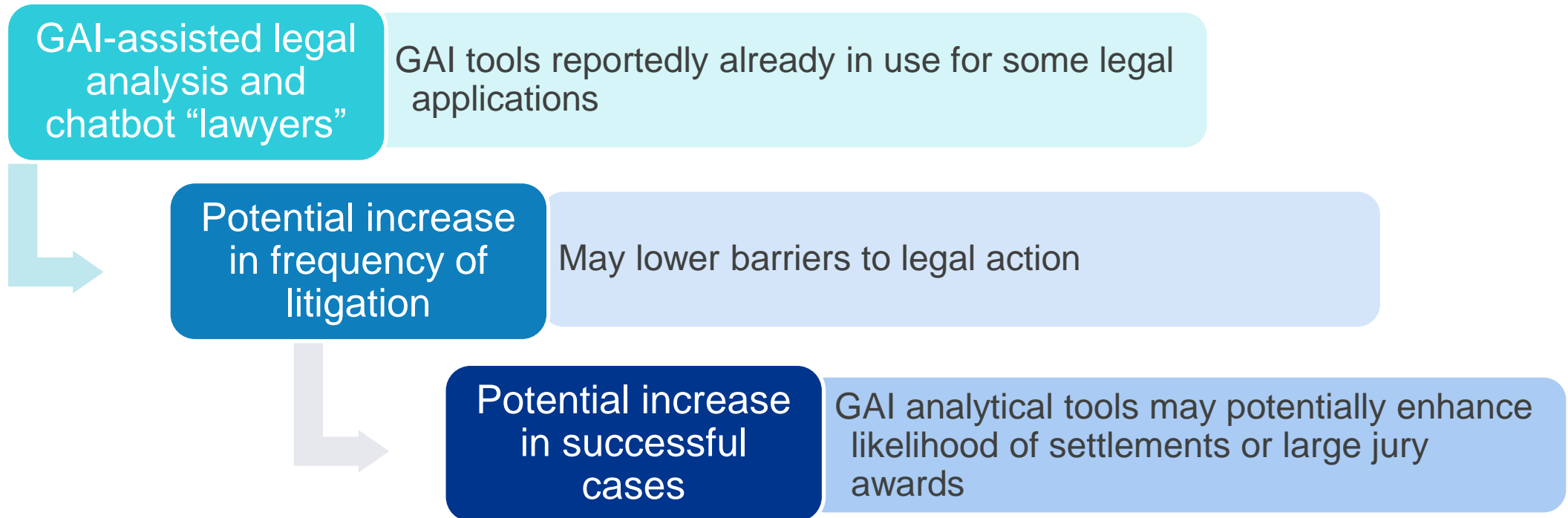
<https://www.ftc.gov/business-guidance/blog/2023/03/chatbots-deepfakes-voice-clones-ai-deception-sale>

<https://www.wired.com/story/chatgpt-ai-bots-spread-malware/>

<https://www.economist.com/biometrics-pod>

<https://www.wired.com/story/chatgpt-prompt-injection-attack-security/>

Generative AI: Fueling Social Inflation?



Generative AI: Fueling Civil Unrest?

Misinformation

Deep Fakes

Financial Panics

Mass Unemployment



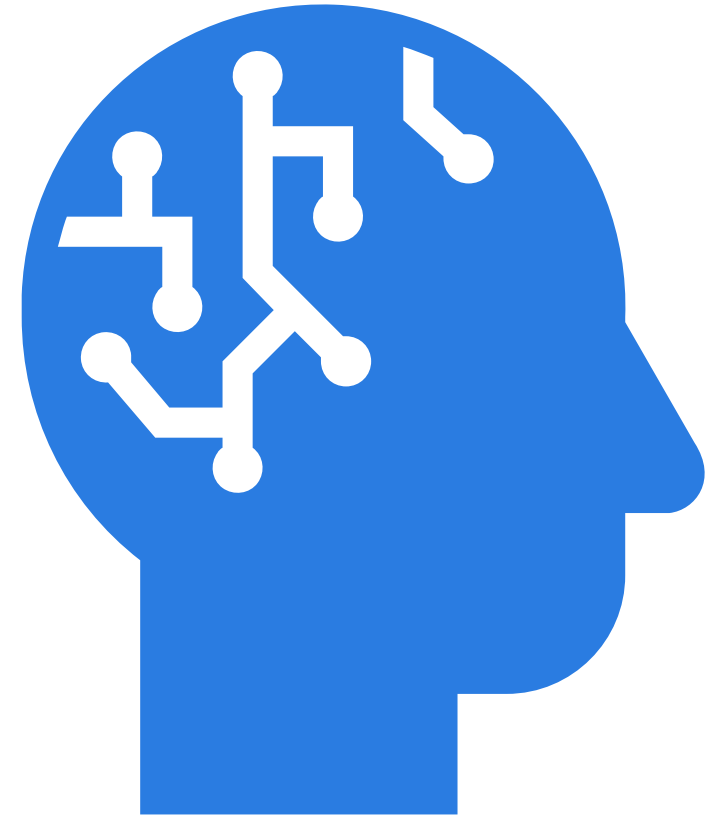
<https://www.cnn.com/2023/05/22/tech/twitter-fake-image-pentagon-explosion/index.html>
<https://www.theguardian.com/technology/2023/feb/08/ai-chatgpt-jobs-economy-inequality>

Generative AI: Potential Horizon Risks

Proxy Gaming

Emergence

Intelligence
Explosion





Thank you!

Questions?

Contact us:

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