

# Trustworthy by Design

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## Abstract

The relatively recent public release of generative artificial intelligence (AI) systems has ignited a significant leap in awareness of the capabilities of AI. In parallel, there has been a recognition of AI system limitations and the bias inherent in systems created by humans. Expectations are rising for more trustworthy, human-centered, and responsible software connecting humans to powerful systems that augment their abilities. There are decades of practice designing systems that work with, and for humans, that we can build upon to face the new challenges and opportunities brought by dynamic AI systems.

## References

- [1] J. R. Young, "What happened after this college student's paper was falsely flagged for AI use after using Grammarly.," 04 04 2024. [Online]. Available: <https://www.fastcompany.com/91074029/can-using-grammarly-set-off-ai-detection-software>. [Accessed 25 04 2024].

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## Index Terms

### Trustworthy by Design



Computing methodologies



Human-centered computing



Artificial intelligence

## Recommendations

### *Augmenting Intelligence: Ethical Challenges in the Age of AI*

SIGUCCS '24: Proceedings of the 2024 ACM SIGUCCS Annual Conference

New technologies seem to be released at an ever-increasing rate, making us more cognizant of our own limitations and the incredible challenge to keep up. What considerations do we need to make as we review, propose, procure, and integrate...

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### *Examining the Role of Genuine Emotions for Trustworthy AI*

HAI '23: Proceedings of the 11th International Conference on Human-Agent Interaction

Trust is a fundamental part of interpersonal relationships and due to the rise of AI systems in many domains, we must examine their trustworthiness. While it is possible to rely on AI to perform certain tasks in certain situations, they do not...

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