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Summarizing DoD Software Acquisition Documents with Large Language Models

April 10, 2024—Can ChatGPT summarize regulations for defense software acquisition professionals? Yes, with human preparation and review, according to the new SEI Blog post *Applying Large Language Models to DoD Software Acquisition: An Initial Experiment*.

“Summarization is particularly helpful in DoD acquisitions, due to the large volume of regulatory documents and the need for a range of stakeholders to review and comprehend key aspects of those documents, especially as those documents evolve over time,” write Doug Schmidt of Vanderbilt University and John Robert of the SEI. They describe their five-step experiment to determine the extent to which ChatGPT-4 could rapidly and accurately summarize a DoD software-acquisition document.

While the system’s output was meaningful, the authors detail seven key lessons and observations for their experiment and anyone seeking to use LLMs in high-stakes applications.

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The long-running event is accepting submissions on how artificial intelligence and machine learning are revolutionizing conceptual modeling.

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Registration and a call for presentations are open for Secure Software by Design, a two-day, in-person SEI event on August 6 and 7.

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This scenario will guide discussions of solutions, submitted to Zero Trust Industry Days, to the challenges of implementing zero trust.

[Considerations for Evaluating Large Language Models for Cybersecurity Tasks](#)

In this paper, researchers from the SEI and OpenAI explore the opportunities and risks associated with using large language models (LLMs) for cybersecurity tasks.

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Upcoming Events

[Zero Trust Industry Days 2024](#), May 14-15

The SEI hosts the Zero Trust Industry Days request-for-information exercise to collect information from those who develop solutions for implementing a zero trust architecture.

[Secure Software by Design](#), August 6-7

Collaborate on improving software security with two on-site days of panel discussions and presentations plus two optional on-site days of training.

[International Conference on Conceptual Modeling \(ER 2024\)](#), October 28-31

The SEI will host the main international forum for discussing the state of the art, emerging issues, and future challenges in research and practice on conceptual modeling.

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Upcoming Appearances

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