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## Carnegie Mellon University Software Engineering Institute



SEI Bulletin — September 18, 2019

### **SEI Releases AI Engineering Practices for Decision Makers**

The SEI has released an initial set of recommendations to help organizations that are beginning to build, acquire, and integrate artificial intelligence (AI) capabilities into business and mission systems. "[AI Engineering: 11 Foundational Practices](#)" is based on the SEI's experience assisting government organizations, observing the practices of teams developing and implementing AI and machine learning (ML) capabilities, and learning lessons from industry.

"These foundational practices offer some initial insights in a chaotic landscape where AI and ML technologies are evolving and advancing rapidly," said Matt Gaston, director of the SEI Emerging Technology Center. "An AI engineering discipline can help the DoD create and adopt solutions that are reliable, reproducible, trustworthy, and maintainable."

[Learn more.](#)

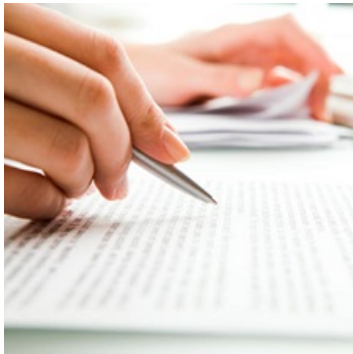
#### SEI NEWS

- [SEI's CERT Division Releases New Version of Pharos Toolset](#)
- [SEI Research Supports National Insider Threat Awareness Month This September](#)

- [SEI to Transition AI Expertise to Humanitarian Assistance and Disaster Response Community](#)

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## SEI Publications

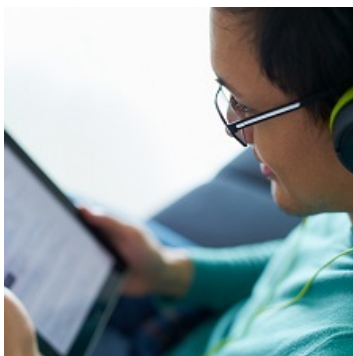
- [AI Engineering: 11 Foundational Practices](#)
- [Machine Learning in Cybersecurity: A Guide](#)
- [Complexity in a Systems Engineering Context](#)



## SEI Blog

Recent posts

- [7 Guidelines for Being a TRUSTED Penetration Tester](#)
- [What Engineers Need to Know About Artificial Intelligence](#)
- [Update on the CERT Guide to Coordinated Vulnerability Disclosure](#)
- [Situational Awareness for Cybersecurity: An Introduction](#)
- [The Dangers of VHD and VHDX Files](#)



## SEI Podcast Series

Available in video and audio formats

- [AI in Humanitarian Assistance and Disaster Response](#)
- [The AADL Error Library](#)
- [Women in Software and Cybersecurity: Suzanne Miller](#)

## SEI Events

Featured events

- [Webinar, September 19 - Insider Threats: Your Questions. Our Answers.](#)
- [Research Review 2019](#)



- [FloCon 2020](#)



## SEI Videos

Short videos of SEI work from our experts

- [What Is Ransomware?](#)
- [Deepfakes—What Can Really Be Done Today?](#)
- [Automating Alert Handling Reduces Manual Effort](#)



## SEI Training

- [Insider Threat Vulnerability Assessor \(ITVA\) Certificate Package](#)  
October 15-17, 2019 (SEI Arlington, Va.)
- [Introduction to the CERT Resilience Management Model](#)  
October 22-23, 2019 (SEI Arlington, Va.)



## SEI Careers

Featured opportunities

- [Senior Penetration Testing Engineer](#)
- [Senior Linux Systems Administrator](#)
- [Cybersecurity Operations Researcher](#)
- [All Current Opportunities](#)

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## About the SEI Bulletin

The SEI Bulletin is a biweekly newsletter designed to keep you up to date on SEI news, events, research, and other matters of interest to the SEI community. We hope you find the SEI Bulletin useful and informative.

## Send Us Your Story

Do you have a story about how an SEI technology has positively affected your team or organization? If so, the SEI would like to hear about it. Send a short summary of your success to [info@sei.cmu.edu](mailto:info@sei.cmu.edu), and you could be featured in a future issue of the SEI Bulletin.

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