UTSA. Knowledge Enterprise

QUANTUM COMPUTING
FROM A SOFTWARE PERSPECTIVE

A MITRE WORKSHOP FOR GRADUATE STUDENTS

11:00 a.m. - 1:00 p.m. | Thursday, January 26, 2023
Business Bldg, 2.06.04 University Room
Bring your laptop! Lunch provided.

"Hear ye, hear ye! Quantum Supremacy is nigh!" You may have heard some version of this claim ring out from media articles and business conferences, but is it really true? In this talk, we will cut through the hype and dive into the fundamental principles of quantum computing so that you can fully understand the opportunities and threats that this emerging technology portends. **We'll come at the topic from the software engineering perspective, so you won't need a background in quantum physics to follow the presentation.** Just be prepared to do a little coding – you'll get the chance to write a quantum software program and simulate it yourself!

Richard Preston is a lead engineer at the MITRE Corporation. He graduated Tufts University in 2019 with an MS in Electrical Engineering and BS in Computer Engineering. Since then, Richard has worked on R&D projects spanning a wide variety of technology areas, including network security, machine learning, cloud & edge computing, IT automation, software engineering, and quantum computing. Currently, he leads a research effort aimed at helping software engineers apply quantum algorithms to real-world problems. Richard has taught quantum software development at MITRE, MIT's Beaver Works Summer Institute, and IEEE Boston, and is passionate about helping to grow the quantum-capable workforce.

REGISTRATION IS REQUIRED.

https://tinyurl.com/REDKEJan26

*Seating is limited to first 30 registrants.

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