

ACADEMIA – ENGINEERING GRADUATE STUDENT



Curious Emerging Technical

Motivation to Attend

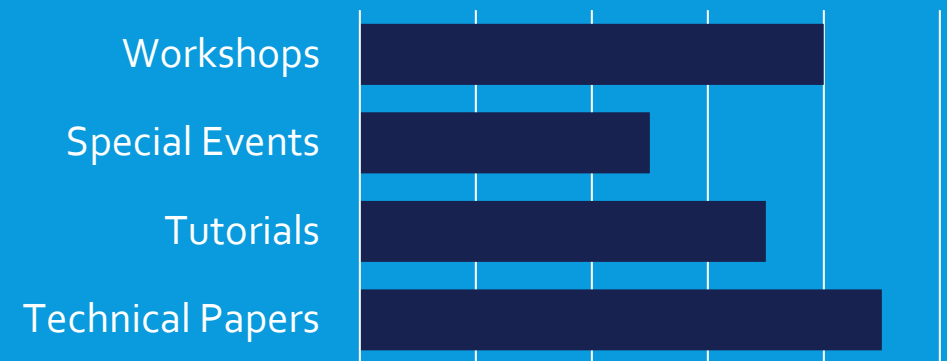
1. Learn about methods use to create modeling and simulation environments for DoD applications
2. Learn about the broad range of technologies used by the DoD and industry
3. Understand future career paths for engineering students in the DoD or in industry

- Experience: 0-2 yrs
- Role: Student
- Direct Reports: 0

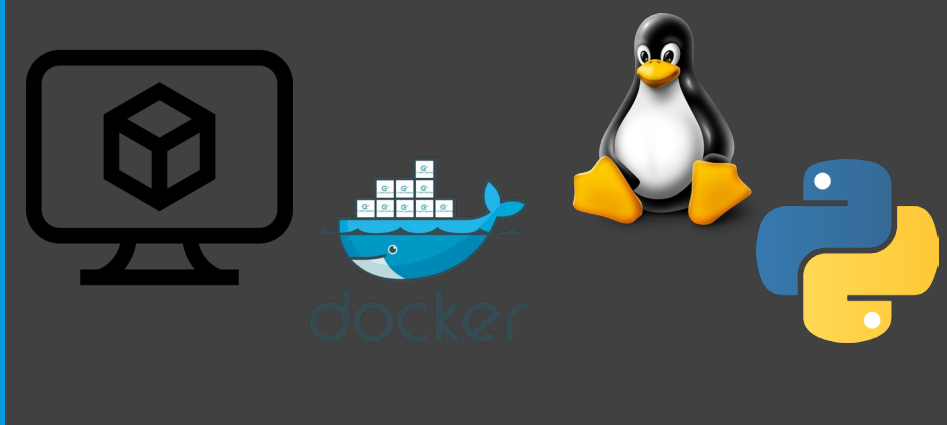
“I want to learn about what engineering methods industry and the DoD uses to effectively equip the warfighter.”

Biography
Sam Rawlings is a graduate student majoring in computer science. She’s specializing in building immersive mixed reality environments. Sam is interested in learning about opportunities to apply her skillset to DoD and industry after graduation.

Interest Level



Common Tools



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Title	Day	Time	Location	Event Type
Introduction to Defense Modeling and Simulation	Monday	0830-1000	W305AB	Tutorial
Introduction to Design of Experiments		1245-1415	W308D	Tutorial
Developing the Human Machine Teaming (HMT) Ecosystem	Tuesday	1400-1430	W300 THEATRE	Paper
Real-time Updated Digital Twins for Drone Swarm Command and Control		1430-1500	W308B	Paper
AI/ML-driven Network Optimization to Enable Synthetic Training and Distributed Simulation		1600-1630	W308A	Paper
How Immersive Technology Augments Operations Centers		1630-1700	W308B	Paper
Development of a Digital Simulation Supporting the US Space Force National Test and Training Complex	Wednesday	0830-0900	W307C	Paper
An Inflection Point for Defense Modeling and Simulation (M&S) Management – Redefining Roles and Responsibilities across the Department’s M&S Enterprise		0930-1000	W307C	Paper
Unreal Oceans: Using Unreal Engine 5 to Simulate Realistic Maritime Vessel Motion		1030-1100	W307A	Paper
Genetic Algorithms for Wargame Operational Planning		1100-1130	W308B	Paper
Cyberspace – Future Multi-Domain Challenge Perspectives		1530-1700	W300 – THEATRE	Special Event
Revolutionizing Training with Generative AI	Thursday	0830-1000	W300 – THEATRE	Special Event
Visualizing Cybersecurity Data for Detection and Assistance in Cyber Operations		1030-1100	W308B	Paper
Predictive Analytics Support Operational Decision Making		1130-1200	W308B	Paper
Model Mining in Sensor Data for Rapid Terrain Analysis		1430-1500	W308A	Paper
Fundamentals of Artificial Intelligence for Simulation-Based Training	Friday	0800-1200	W307A	Workshop