

Corey Stewart

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Experience

Electromagnetic Simulation Engineer, Anyar Inc – Fort Walton Beach, FL July 2024 – Present

- Supported radar, electro-optical, and infra-red system initiatives ranging from CUI to Top Secret levels
- Performed research within secure facilities directly on or affiliated with Eglin Air Force Base
- Used Podman and Python to develop containerized machine learning pipelines
- Designed machine learning models to analyze images from a novel metalens-integrated optical system
- Prepared project reports and presented technical topics to customers and management

Graduate Research Assistant, Auburn University – Auburn, AL Oct 2020 – Apr 2024

- Researcher for the NSF Center for Advanced Vehicle and Extreme Environment Electronics
- Designed, manufactured, and tested additively manufactured environmental sensors for embedded systems
- Developed neural networks and Kalman forecasters to measure remaining useful life of embedded systems
- Worked within a US International Traffic in Arms Regulations (ITAR) lab environment
- Created learning materials for the detection and avoidance of counterfeit components (US DHS sponsored)
- Presented regularly to US government sponsors (e.g., Missile Defense Agency, Army, Secret Service, etc.)

Community

Coordinator, STEM Workshop Series at Columbus State University – Columbus, GA 2022

- Coordinated a 12-week STEM experience for university students (funded by Southwest Georgia LSAMP)
- Instructed mathematics, computer science, electrical engineering, and machine learning topics

Education

University of West Florida – MS Computer Science 2027

Auburn University – MS Electrical Engineering, Walt and Virginia Woltosz Fellow

Columbus State University – BS Mathematics with Computer Science minor