

Career Interests: Software Development, Automation, Python or C++ implementation, and Network Security. Feel free to explore more about me in my portfolio listed above.

Education:

University of Alabama in Huntsville Fall 2024 – Fall 2027

- Master's in Software Engineering – Computer Engineering Track

Wichita State University Spring 2021 – Fall 2023

- Bachelor of Science in Computer Science, Minor in Mathematics
- GPA: 3.642

Work History:

Boeing Intelligence and Analytics, Software Engineer May 2024 – November 2024

- Identified and reported software security vulnerabilities for commercial over the shelf (COTS) software, reducing approval wait times for tool accessibility.
- Developed testbenches using the Universal Verification Methodology for FPGA components to validate and verify potential parts from industry.
- Facilitated daily scrum for the Firmware Team as the Scrum Master.

Flint Hills Resources, Software Engineer Intern May 2023 - November 2023

- Created a retrain pipeline for a machine learning model that would redirect the prediction of anomalies in high valued accounts by using feedback from users.
- Implemented data integration pipelines for permits to be available offline, created unit test cases, refactored repositories through full stack development, and built APIs with Lambdas and API Gateways.

NetApp, QA Student Contractor November 2021 – February 2023

- Executed scripts to test the competency of controller firmware to specific configured arrays, switches, and servers to provide feedback on potential defects.
- Contributed to the development of an internal website by clearing bugs, refactoring for asset protection, and linking API calls to buttons.

United States Coast Guard, Yeoman Petty Officer Third Class February 2018 – March 2021

- Performed administrative work by operating an internal software system to process pay and employee status such as marks, disciplinary actions, deployment papers, and retirements.
- Completed Apprentice Leadership Program being able to identify stress factors, influence others, and support an environment of respect.

Skills:

Languages: Python, C++, SystemVerilog, Typescript, and Bash.

Tools and Platforms: Docker, GitLab, Jira, AWS, Git, SharePoint, Questa, Postman, Kanban, and Linux.

Curriculum:

Fall 2024: Introduction to Parallel Programming

Spring 2025: Software Testing, Design & Analysis of Algorithms