JOSEPH HUNTER WILHAM

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EDUCATION

The University of Alabama in Huntsville - M.S.E. in Computer Engineering   May 2025
GPA: 4.00

The University of Alabama in Huntsville - B.S. in Computer Engineering   May 2022
GPA: 3.95

SKILLS

Programming Languages	Java, C++, Matlab, Python, SQL, Bash
Tools	Git, GitLab, Jira, Confluence, JavaFX, Middleware, Relational Databases, Eclipse, Visual Studio Code, Jenkins, Sonarqube, Fortify, Apache Ant, Gradle, Make, KML
Other	SAFe Agile, Scrum, Scrum Master, Cybersecurity, Object-Oriented Programming, Linux, Test-Driven Development, DevSecOps, Parallel Computing, Multi-Threading, Technical Writing, UI/UX
Soft Skills	Leadership, Mentoring, Accountability, Time Management, Initiative, Attention to Detail

EXPERIENCE

Northrop Grumman Corporation   *Huntsville, AL*
Software Engineer   October 2024 - Present

- Developed and maintained mission control software for a system that integrates multiple air and missile defense systems into a unified C2 solution. Leveraged peer review, static analysis, unit testing, and other rigorous quality measures to ensure software readiness to protect ground troops and defend assets.
- Lead innovation of new software features through rapid prototyping and coordinating cross-functional collaboration. Delivered functional prototypes for third-party performance analysis and testing.
- Improved team agility through serving as back-up Scrum Master, fulfilling Scrum Master duties whenever needed. Served as AIM Ambassador, assisting and mentoring new interns joining the organization.

Associate Software Engineer   May 2022 - October 2024

- Developed software features supporting maintenance and daily operations of in-silo missile defense assets.
- Completed multi-disciplinary engineering tasks across design, development, testing, and maintenance of major software releases.
- Lead design and development of software solutions for longer term modernization and containerization efforts.
- Optimized performance and refactored legacy code to improve maintainability and system health.

Software Intern   May 2020 - November 2020, May 2021 - August 2021

- Developed tools for automated testing of customer-facing GUIs. Increased the speed and scope of GUI testing that could be done during software release cycles improving delivery timelines as well as product quality.
- Authored and reviewed formal test procedures for new software features being developed.
- Coordinated agile ceremonies and daily workflows of intern scrum team.

CERTIFICATIONS

- **CompTIA Security+ (SYE-601)**

SECURITY CLEARANCE

- **Secret (Active)**