

OBJECTIVE

I am an early-career software engineer exploring the field of cybersecurity with a strong interest in becoming a security engineer. Seeking an opportunity to gain hands-on experience, learn from real-world challenges, and develop a deeper understanding of the many paths within cybersecurity.

HONORS

- Bachelor of Software Engineering Allegheny College (May 2025)
- *Allegheny College Trustee Scholarship* Recipient (2021-2025)
- *Dorothy Curry Isherwood '21 and James E. Isherwood '20 Scholarship* Recipient (2022-2024)

EXPERIENCE

Heinz College IT Summer Program, Carnegie Mellon University

Summer 2024

- Paid residential Fellowship
- Participated in a hands-on IT and cybersecurity program, tackling real-world technical challenges.
- Gained experience in system architecture, security solutions, and project management through collaboration with industry professionals.
- Evaluated Governance, Risk, and Compliance (GRC) tools, analyzing their effectiveness in security and regulatory frameworks.

Technical Leader - Computer Science Department

2023 - 2025

- In-Class Support: Assisting the professor during lectures and lab sessions by facilitating student engagement and addressing individual queries.
- Office Hours: Providing dedicated time outside of class for one-on-one or small group sessions with students.
- Lab Assistance: Supervising laboratory sessions, ensuring students understand the experiments and use the equipment safely and effectively.

NaviGator -Success coach

2023 - 2024

- Provided one-on-one coaching sessions or facilitated accountability groups for first-year students transitioning from high school to college.
- Helped students develop and apply effective learning strategies, fostering self-regulated learning habits.
- Referred students to relevant campus resources, including academic advising, career counseling, personal counseling, tutoring, and extracurricular involvement.

Technical Skills

Languages & Tools: Python, Git, WSL, PostgreSQL

Security: File wiping, Cryptography

Software Development: Agile sprints, Peer code reviews

Data & Databases: Database optimization, Data visualization

Projects

File-Wiping Tool: Secure deletion tool using data sanitization best practices

Grading System: Course grading system built with agile methodology

Database Dashboards: Visualizations and optimized database structures for efficiency

INTERESTS:

Cyber Security, Piano, Video Game Development, 3-D Art

Github: [MilesF25 \(Miles\)](#)