Cameron Kasprzak

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EDUCATION

Bachelor of Software Engineering | 3.7 GPA | Certificate of Cyber Defense | Auburn University **May 2025**

SKILLS

- Languages: C, C++, F', Java, JavaScript, Python
- Tools: Ansible, Bash Scripting, Docker, Git, GDB, Linux, NodeJS, OpenStack, VMWare, MongoDB, SQL, Netcat, Wireshark

WORK EXPERIENCE

Harbert College of Business Information Technology Services **August 2023 – Present**

Student IT Worker **Auburn, AL**

- Provided system administration support for the Harbert College of Business, assisting with the maintenance and configuration of IT infrastructure
- Diagnosed and resolved hardware and software issues for faculty and students, ensuring minimal downtime and optimal user experience

Auburn University PASER Lab **January 2024 – May 2024**

Website Developer **Auburn, AL**

- Developed a full-stack web-based learning platform to teach students secure coding practices
- Implemented front-end and back-end functionality using Node.js, JavaScript, HTML, CSS, and MongoDB, ensuring a responsive and user-friendly experience

WEGL 91.1 FM **August 2021 – May 2024**

Program Director **Auburn, AL**

- Trained new members on radio hardware and software, enhancing technical proficiency and broadcast quality
- Optimized onboarding and training process, reducing ramp-up time and improving operational efficiency for new station members

PROJECTS

Alabama CubeSAT Initiative Satellite Software Generation

Team Lead

- Automated flightcraft software generation based on system requirements and stakeholder input to increase operational efficiency for systems engineers
- Implemented hardware and software system requirements as part of Python microservice for proprietary NASA software generation
- Designed C++ flight craft software using proprietary NASA software

ESP32 Morse Code Translator

- Developed an ESP32-based Morse code translator using C++, enabling real-time Morse-to-test conversion via serial input
- Implemented and thoroughly debugged a translation system on the ESP32, ensuring accurate signal timing, reliable I/O handling, and stable performance across various input conditions

OpenStack Cloud Deployment

Group Member

- Collaborated within a six-member team to deploy a fully functional OpenStack cloud environment for scalable computing use cases
- Automated server provisioning and configuration using Ansible and Bash scripts, enabling efficient setup and management of a distributed server network
- Managed and maintained the OpenStack deployment, configuring services to support public cloud access and ensuring high availability