Cameron Kasprzak

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SKILLS

- Programming Languages: C, C++, F', Java, JavaScript, Python
- Development Operations: Ansible, Bash Scripting, Docker, Git, GCC, GDB, Linux, NodeJS, VMWare
- Database Management: MongoDB, SQL
- Microsoft Office Suite

WORK EXPERIENCE

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

Website Developer **Auburn, AL**

- Developed a web based learning tool to help students learn secure coding practices
- Utilized NodeJS, JavaScript, CSS, MongoDB, and HTML to develop working front and back end functionality

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

Student IT Worker **Auburn, AL**

- Assist with system administration for Harbert College of Business
- Troubleshoot software and hardware services for faculty and students

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

Program Director **Auburn, AL**

- Managed and scheuled live programming for WEGL FM radio station
- Trained new members on radio hardware and software
- Streamlined initiation process for new members to allow for quicker onboarding and more efficient training

Tara Manufacturing **May 2022 – August 2022**

AutoCAD Technician **Owens Cross Roads, AL**

- Designed AutoCAD schematics for use in manufacturing
- Automated template lookups using SQL and VBA coding language to increase worker efficiency

EDUCATION

Auburn University, Auburn, AL **August 2021 - May 2025**

- Bachelor of Software Engineering | 3.6 GPA
- Certificate of Cyber Defense

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
- Defined a set of Controlled Natural Language system requirements relevant to software engineering and flight craft development
- Implemented hardware and software system requirements as part of Python microservice for F' software generation
- Designed C++ flight craft software using NASA's F' software

Small Satellite Program CubeSAT
Embedded Systems Engineer

- Designed PCB to interface with satellite components
- Conducted research to choose satellite hardware based on system requirements for ASTRA ETHEREA's Attitude Determination and Control System

Operating Systems
Student

- Built control functions inside OS/161 kernel with the C Programming Language to develop a working Operating System
- Debugged software implementation to ensure error free kernel operations

Intro to Cloud Computing

Group Member

- Collaborated with a group of six to deploy a functional OpenStack deployment for cloud computing use
- Orchestrated server configuration using Ansible and Bash Scripting to create a server network
- Managed OpenStack deployment to allow for public cloud access