# 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
* Cybersecurity: Netcat, Wireshark
* 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

# 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
  + 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

## 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