SUMMARY

I have focused my career thus far on cutting edge technology and solving technical problems using software.

SKILLS

Programming Languages: (Proficient) Python, Java, SQL; (Familiar) C/C++, HTML/CSS, JavaScript

Database Management: MySQL, SQLite, MariaDB

Full Stack Technologies: Node.JS, Express JS, Python Flask, Python CherryPy

Technology: Git, Full Stack, Scrum, Virtualization, Docker

Communication Tools: Slack, Trello, Skype

Soft Skills: Time Management, Problem Solving, Technical Writing, Self-Management, Remote Experience

WORK EXPERIENCE

RAYTHEON – 2017-PRESENT

CYBER THREAT HUNTER (100% REMOTE POSITION)

- Proactively search for cyber attacks and gaps in security measures by leading threat hunts, acting as a subject matter expert, and developing training.

SOFTWARE ENGINEER (50% REMOTE POSITION)

- Principle Investigator and developer on three research and development projects (one resulting in a provisional patent), where I focused on full stack development (Python 3 and Node.JS), data analytics (Java), and automation.
- Built curriculum on the security of MIL-STD-1553B and MIL-STD-1760 for an internal embedded security course.

CYBER SECURITY ENGINEER INTERN (50% REMOTE POSITION)

- Participated in the development of an avionic network mapper where I focused on full stack development (SQLite, Python 3, and Python Flask) and program planning and management.
- Aided in securing systems by automating hardening by creating scripts using Chef.

COLORADO STATE UNIVERSITY – 2016-2018

CYBER RESEARCH & TEACHING ASSISTANT

- Completed offensive cyber research on various Internet of Thing (IoT) devices and automated the parsing and testing of transferred medical data.
- Lead lab sessions where we reinforced various programming concepts in Java, Python, HTML/CSS, and UNIX. Coordinated review sessions and developed a study guide and practice exam to break down complex concepts into manageable sections. Assisted professors in developing curriculum by creating and critiquing homework and lab assignments.

MISCELLANEOUS PROJECTS

- **Android Information Gathering Tool** is a tool that gathers and sends location from an Android phone to a user interface. Presented at the Women In Cyber Security Conference in 2017.
- **CarMD** is a web interface that helps people understand OBD-II error codes. Node.JS, ExpressJS, SQLite, and Python were used to consolidate and display the relevant information to the user.
- **Trace Labs**: volunteer as an open source intelligence (OSINT) analyst to gather information on missing people.

EDUCATION & CERTIFICATIONS

Colorado State University, Fort Collins, CO – Bachelor's in Science, Computer Science, 2018

Certified Ethical Hacker, 2018