ADDY MORAN   303-525-8796   addymmoran@gmail.com   https://addymmoran.github.io

SUMMARY

Software Engineer with more than 4 years of experience in research and development, focusing on cyber security and data analytics. Well-rounded engineer, seasoned in everything from program management to technical implementation.

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 Development, Scrum, Virtualization, Docker, Object-Oriented Design (OOD)

Communication Tools: Slack, Trello, Skype

Soft Skills: Time Management, Problem Solving, Technical Writing, Self-Management, Remote Experience, Leadership, Communication, Adaptability, Program Management, Mentor, Solution Oriented

WORK EXPERIENCE

RAYTHEON – 2017-PRESENT

CYBER ANALYST (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)

- Lead an 8 month, $175K, research project, building a digital forensics tool for use in embedded communication protocols. I focused on building documentation, presenting to leadership, tasking a team of four and designing and implementing the user interface (Flask and Node.JS). This solution received a provisional patent and will be integrated into two additional programs.

- Designed and prototyped a satellite data reduction algorithm, looking for interesting patterns in Two-Line Element (TLE) data.

CYBER SECURITY ENGINEER INTERN (50% REMOTE POSITION)

- Developed an avionic network mapper where I focused on full stack development (SQLite, Python 3, and Python Flask) and program planning and management. This solution has received a full patent and will assist in securing aircrafts by detecting human error, insider threats and supply chain threats.

COLORADO STATE UNIVERSITY – 2016-2018

CYBER RESEARCH & TEACHING ASSISTANT

- Completed offensive cyber research on various Internet of Things (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.

- **Trace Labs**: volunteer as an open source intelligence (OSINT) analyst to gather information on missing people.

EDUCATION & CERTIFICATIONS

Arizona State University, Online – Master's in Computer Science, 2022

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

Certified Ethical Hacker, 2018