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**OBJECTIVE:**
To support U.S. government operations via utilizing my knowledge in mathematics, programming expertise and problem-solving skills.

**EDUCATION**:

University of Maryland, College Park, Maryland
Bachelors of Science in Computer Science, *August 2018*

Selected Coursework: Data Structures, Web Applications, Database Applications, Cryptography, Computer Systems, Parallel Computing, Artificial Intelligence, Data Science & Computer Security

**STRENGTHS AND SKILLS:**

Languages: NodeJS, Java, C, Ruby, R, HTML, CSS, JavaScript, PHP, OCaml, MySQL
Frameworks/Design: Vue.js, JQuery, Bootstrap, Material-UI,
Development: Docker, Git, Jira, Linux

**WORK EXPERIENCE:**

**Amches Inc.**, Annapolis Junction, Maryland: *November 2020 - Present*, Software Developer

Working with a team of UI developers to develop and maintain the front-end of an RF collections system.

- Developed and updated Vue components for the UI.
- Presented code demonstrations during sprint meetings.
- Integrated gRPC into the client which improved data communication and removed the need for a restful API on the node server.
- Developed scalable visualization of real-time RF over a radio spectrum.

Reference: Aaron White, aaron@tectonix.com

**Minerva Engineering**, College Park, Maryland: *September 2018 – October 2020*, Software Developer

Worked onsite at the Laboratory for Telecommunication Science to support research in mobile phone development.

- Developed both front-end and back-end capabilities for a property management system which oversees 1000+ assets. The new system has greatly improved scanning speeds while also giving the user a finer, detailed view of their property.
- Developed front-end to visualize cellular network properties in real-time. This software provides operators with a realistic, geographical view of a cellular layout based on location.
- Developed front-end that enables real-time interaction with mobile devices. The GUI enables researchers with the ability to perform dynamic analysis on multiple phones simultaneously.
- Developed a tool to automate the process of scanning and archiving information about a phone's battery. The tool is a user-friendly way of retrieving battery info for operational phones.

Reference: References available upon request.

**Leidos**, Columbia, Maryland: *July 6, 2016 – August 15, 2016*, Intern - Cloud Software Engineer

Worked alongside the Advanced Analytics IRAD team to develop the framework for a web application that uses gesture technology to interact/manipulate Twitter data via Cesium Globe software. Duties included:

- Developed the websocket server to transfer data.
- Contributed to the developed of front-end content displayed on a Cesium Globe.

- Integrated a RealSense camera and Leap Motion sensor.

Reference: Greg Young, GREGORY.H.YOUNG@leidos.com

**Leidos**, Columbia, Maryland: *July 6, 2015 – August 15, 2015*, Intern - Cloud Software Engineer

Worked alongside the Passive Optical LAN team for the summer. Duties included:

- Testing software suitable for PON Team to monitor clientele's IT infrastructure.
- Performed customer equipment test and worked with appropriate vendors.
- Developed a forecast for future company investments in Ethernet Switch market.

Reference: Blaine Overstreet & Matt Miller, Managers