**Samuel W. Maryland**

5917 Downington PL NW | Acworth, GA 30101

swmaryland@crimson.ua.edu *|* (770) 871-0187

**EDUCATION**

**Tuscaloosa, AL**

GPA: 3.263

Expected Graduation: May 2019

**The University of Alabama, College of Engineering**

College of Engineering *|* Bachelor of Science in Computer Science

**PROFESSIONAL EXPERIENCE**

**IBM Security, Managed Security Services**

**Atlanta, GA**

*Security Software Engineering Intern* (May 2018 – August 2018)

* Team lead and inventor for a team of 7 interns to develop, prototype, and present an asset discovery and maintenance product using agile methodology and design thinking. I created the business plan and pitched our product to multiple IBM Security Executives.
* Led the development of the first IBM Services QRadar application using Python, Jinja, and HTML to track and analyze the behavior from Log Sources. The application would track data from the log sources and alert when not showing normal behavior. Presented product to Royal Bank of Canada to gain feedback and improve application.
* Created a Jeopardy style chatbot using the Watson Assistant service to answer questions about IBM’s history for an intern competition, team won first place. The tool will be used for educational insight for the CyberDay4Girls.
* Developed a mock rest server to emulate both good and bad responses from different servers and services RESTful APIs written using Swagger YAML and JavaScript. This server would return responses in the same fashion as the system being emulated but included a way to force a failure response or no response at all.
* Enabled HTTPS, SLL, and integrated IBM single sign on authentication into a global security operations center staffing application using Python, Django, and OpenID Connect.

**Atlanta, GA**

*Security Services Specialist Intern* (May 2017 – August 2017)

* Head Developer for a team of 6 interns to invent, develop and pitch cognitive physical security system to IBM executives. Designed using IBM Design Thinking and developed using Node.js, HTML, and Python, the system utilized the Watson Visual Recognition Service to localize and recognize specific objects within an image.
* Developed Node.js application to discover, filter, analyze, and visualize new QRadar offenses in near-real time, saving analysts around 15 minutes per offense on average.
* Developed BNA device adapters in XML used for Quality Assurance Tests, Auto-Building devices, and remediating configuration problems.
* Developed displays used in IBM Security Operations Center Client Briefings. Designed a revolving globe with locations of all IBM X-Force Command Centers and their time zones using JavaScript and HTML.

**Mix It Up Memphis**

**Kennesaw, GA**

*UI/UX Designer* (November 2015 – May 2016)

* Edited and maintained company website using HTML and CSS. Included updating catalog, handling requests from business owner to optimize and design web interface.

**TECHNOLOGY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Languages**

* *C, C++, Python, JavaScript, Node.js, HTML, Jinja, Django, CSS/SCSS, XML, SQL, YAML*

**OS, Software and Database**

* *QRadar, SQL, BNA, Remedy, MacOS, Windows, Microsoft Office*

**Certification**

* *IBM Design Thinking Practitioner*

**HONORS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Presidential Scholarship,** *The University of Alabama,* August 2015 – May 2019

**Engineering Scholarship,** *The University of Alabama,* August 2015 – May 2019