SAM ALLEN MENDIMASA

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EDUCATION

University of Maryland, Baltimore County (UMBC)

- Candidate for Master of Science in Computer Science — Anticipated Graduation: May 2020
  - Specialization in Containers and Cloud Security
- Bachelors of Science in Computer Science — Dec. 2018
  - Concentration: Cyber Security
  - Center for Women in Technology (CWIT) T-SITE Scholar & Ally

TECHNICAL SKILLS

Programming:	Java(6 years), C++(3 years), JavaScript (3 years), Python(1 year), SQL(1 year), Go(1 year)
Web Development:	PHP(3 years), HTML(3 years), Vue.js(1 year), jQuery(1 year), AJAX(1 year)
Security:	Metasploit, Nessus, BurpSuite, Zap, Elastic Search, Graylog, Kibana, Nmap
Cloud:	OpenStack(DevStack), OpenShift Origin, Docker, Kubernetes, ManageIQ

WORK EXPERIENCE

Software Engineer/Analyst (Team Lead), UMBC, Dept. of Information Technology — Jan. 2018 - Present

- Manage and mentor UMBC Business Systems student developer's group.
- Design and develop web request tracking systems using JavaScript, Perl, PHP, HTML, and Box, & RT (Request Tracker) APIs.
- Meet with clients regularly to evaluate, design, and implement solutions to improve their current IT support system.

Systems and Security Engineering Intern, Hughes Network Systems, Technical Services — Jun. 2019 – Aug. 2019

- Setup RedHat OpenShift Origin for containers management and orchestration using OpenShift cli and ansible.
- Researched and determined security vulnerabilities in OpenShift and best practices to mitigate and prevent breaches.
- Installed and configured ManageIQ for containers, VMs, and Network Management Systems (NMS) management.

Cyber Security Engineering Intern, Hughes Network Systems, Technical Services — Jun. 2018 – Aug. 2018

- Researched and evaluated open source tools for UI's and Systems scanning.
- Scanned Terminals and NMS systems for vulnerabilities, met with specified teams to review, determined appropriate solutions, and created SPRs for fixes.
- Managed system and network logs using open source tools, evaluated security concerns, set up alerts, and created real-time dashboards displaying security concerns.

RESEARCH EXPERIENCE & PROJECTS

LawIT (Chatbot Service) – Service Oriented Computing Project — Sep. 2019 – Dec. 2019

- Developed a web-based chatbot system using Javascript, C#, DialogFlow, Azure Web Applications, and MSSQL database that acts as a free online legal consultant.

RESTful API for CRUD Operations – Operating Systems Project — Mar. 2019

- Designed and developed a restful web service to manage resources and sites with multiple access points in GoLang.

Cloud Forensics – Security & INSuREHub Project — Sep. 2018 – Dec. 2018

- Collaborated with a team and the NSA to research and evaluate forensics tools such as DumpIT, Volatility, and Frost to address the issue of information volatility in cloud infrastructures.
- Set up and managed the cloud infrastructure using Devstack and ensured that all services were available.

CrimeBuster – Software Engineering & Visualization Project — Jan. 2018 – May 2018

- Collaborated with a team, NextCentury, and UMBC Police to design and develop a crime data visualization website using HTML, Javascript, Vue.js, PHP, SQL, and the open Baltimore crime datasets.

AWARDS & EXTRACURRICULARS

Allies in CWIT, *Leadership/Planning Committee* — Aug. 2017 – May 2019
CyberDawgs Cyber Defense Competition (CDE) First Place Winner — Oct. 2017
UMBC Hackathon SGA prize winner for sustainability application — Sep. 2016