

## EDUCATION

### University of Maryland, Baltimore County

Candidate for M.S. Computer Science – Thesis Track (Cloud Security)

B.S. Computer Science – Cyber Security Track

Center for Women in Technology (CWIT) T-SITE Scholar

**Expected Graduation: Spring 2020**

December 2018

## TECHNICAL SKILLS

<b>Programming:</b>	Java(6 years), C++(3 years), JavaScript (2 years), Python(1 year), SQL(1 year)
<b>Web Development:</b>	PHP(2 years), HTML(3 years), CSS(3 years), jQuery(1 year), AJAX(1 year)
<b>Security:</b>	Metasploit, Nessus, BurpSuite, Zap, Elastic Search, Graylog, Kibana, Nmap
<b>Cloud:</b>	OpenStack, OpenShift, Docker, Kubernetes, ManageIQ
<b>Software:</b>	Eclipse, Xcode, Android Studio, Putty, Visual Studio, Microsoft Office

## WORK EXPERIENCE

### University of Maryland, Baltimore County, Dept. of Information Technology

#### Software Developer/Analyst (Team Lead)

January 2018 - Present

- Mentor and manages UMBC Business Systems student developer's group
- Develop web pages and IT systems for UMBC that interacts with Request Tracker(RT), Box, and the DocuSign API
- Meet with Clients regularly to access their needs and then design and implement solutions to improve their current site and IT support system

#### Hughes Network Systems, Technical Services

##### Systems and Security Engineering Intern

June 2019 – August 2019

- Setup RedHat OpenShift Origin for containers management and orchestration.
- Researched and determine security vulnerabilities in OpenShift and the best practices to mitigate and prevent breaches.
- Installed and configure ManageIQ for containers, VMs, and NMS systems management.

#### Hughes Network Systems, Technical Services

June 2018 – August 2018

##### Cyber Security Engineering Intern

- 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

#### *RESTful API for CRUD Operations – Operating Systems Project*

Spring 2019

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

#### *Cloud Forensics - INSuREHub Project*

Fall 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.

#### *BidBox (Android App) – Mobile Computing Project*

Spring 2018

- Developed an android app for auctioning books to students, which allow users to create and bid on different textbooks.
- Implemented the backend server with Node.js and MongoDB to handled requests, such as searching or viewing new events and activities.

#### *Data Visualization – UMBC Choice DJS (Department of Juvenile Services) Project*

Fall 2017

- Collaborated with a group and developed an application that visualized the Choice DJS dataset from the 2016-17 year.
- Investigated and wrote a research paper to address ways of improving Choice by reducing recidivism and out-of-home placements, strengthening youth and family ties to the community through education and employment, and promoting community safety.

## AWARDS & EXTRACURRICULARS

Allies in CWIT, *Leadership/Planning Committee*

Fall 2017 – Spring 2019

CyberDawgs Cyber Defense Competition (CDE) First Place Winner

Fall 2017

UMBC Hackathon SGA prize winner for sustainability application

Fall 2016

UMBC Eco-Ambassador, *Member*

Fall 2016 - present

UMBC Cyber Defense Team, *Member*

Fall 2016 – Fall 2018

Silicon Valley CodePath IOS/Internship Prep Course, *Organizer*

Fall 2016 – Spring 2017