Arthur "Trey" Hubbard

treyhubbard.com ● trey.hubbard@outlook.com ● 901-616-9101 ● Memphis, TN 38125

EXPERIENCE

Penetration Tester, Intern   HORNE Cyber   12/2019 - 1/2021
- Conducted network and application penetration tests from an external and internal perspective, as well as social engineering tests for our clients.
- Developed scripts to exploit known vulnerabilities to use during engagements.

SOC Analyst, GRA   NSPARC   5/2019 - 11/2020
- Assisted in the process of becoming a FedRAMP authorized cloud service provider.
- Implemented processes that automated and integrated security practices in the software development life cycle.

Tech Fellow   Facebook/CodePath   8/2018 - 12/2019
- Taught the Facebook sponsored cybersecurity for-credit course at Mississippi State University.
- Created CTF challenges that mimicked real world targets and attack vectors.

Full-Stack Developer, GA   MSU Extension Service   9/2018 – 5/2019
- Converted previous iOS and Android applications to an Ionic applications to reduce development time and their codebase.

Full-Stack Developer, Intern   International Paper   5/2018 – 8/2018
- Reduced the team's operating costs by 40% by developing a web application that created a standardized and streamlined way of building and managing webMethod flow services.

EDUCATION

Starkville, MS   Mississippi State University   8/2014 - 11/2020
- M.S. in Cyber Security & Operations, Fall 2020. GPA: 3.89
- B.S. in Computer Engineering, December 2018. GPA: 3.77
- **Key Courses Completed:** Computer Forensics, Crypto & Network Security, Secure Software Engineering, Digital Systems Design, Reverse Engineering, Advanced Cyber Ops, Mathematical Foundations of ML, Security Management, Machine Learning

PROJECTS AND ACTIVITIES

Autonomous Drone Charging Station (ADCS)
- Communications Lead - Tasked with prototyping a cellular communication device that would allow the ADCS to communicate with a web, iOS, and Android application.

Cyber Security Club
- Helped establish the Cyber Security Club at Mississippi State which was founded to research current exploits, participate in capture the flag competitions, and develop custom exploits.

CyberForce Competition
- Blue Team Captain - Led the MSU team in the DoE's cyber workforce development competition by implementing common security practices as well as out-of-the-box ideas.

IDA Functional Dependency Plugin
- Developed an IDA plugin that displayed the functional dependency of all the functions in an easy to view html file to decrease the time it takes to reverse engineer malware.

LANGUAGES AND TECHNOLOGIES

- Python, C, C++, x86 assembly, HTML5, JavaScript, PHP, SQL
- Ionic4, jQuery, Microsoft Azure, Alexa SDK, AWS, Flask, Node.js

AWARDS/CERTIFICATIONS

Eagle Scout - obtained in October 2013 from the Boy Scouts of America
Dale Carnegie Course - obtained in July 2016 from Dale Carnegie
Facebook Scholarship BH/DC 2018 & 2019 - obtained in May 2018/2019 from Facebook