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Summary

Cybersecurity professional. Interested in positions in penetration testing/red teaming, security engineering, security consulting

Work Experience

NCC Group

SENIOR SECURITY CONSULTANT

Remote (Boston)

Aug 2020 - Present

- Delivers web, network, red team and container security assessments for clients ranging from startups to Fortune 100 companies
- Produces detailed technical reporting describing vulnerabilities discovered, their impact, and recommendations for remediation
- Advises clients across a range of sectors including Technology, Cybersecurity, Finance, Healthcare, edTech and more.
- Designed and implemented Winstrument, a framework for Windows thick client application security assessments

Hofstra University Computer Science Dept.

STUDENT TECHNICIAN

Hempstead, NY

Jan. 2017 - June 2020

- Designed and implemented utilities to automate infrastructure like VMWare vSphere in Hofstra's Big Data Lab
- Security-first approach to software design. Fixed any vulnerabilities identified in existing code.

Facebook

PROJECT SUPPORT/ENGINEER (CONTRACTED)

Remote

Nov. 2017 - May 2018

- Delivered Facebook AECP platform, a Cybersecurity competition platform that uses virtual machines to provide interactive challenges (See Projects).
- Grading server launches attacks and challenges against competitor systems and scores competitor response

Codepath.org

TECHNICAL PROGRAM MANAGER

Hempstead, NY

Nov. 2017 - May 2018

- Mentored Hofstra students in learning cybersecurity skills through practical exercises in web security like XSS, SQL injection and more
- Helped students develop skills identifying and exploiting security vulnerabilities in web applications including Wordpress
- Taught students to use essential security tools like Burp, Nmap, Kali Linux, Metasploit Framework, SQLMap, etc

Projects

Winstrument

NCC GROUP

- Designed and built a tool in Python to help security testers assess Windows applications
- Winstrument allows testers to easily hook system calls to aid reversing efforts, and is easily extensible

AECP

FACEBOOK

- Designed and implemented AECP, a platform for delivering real-time security challenges for competitions
- AECP is a Python and Django based platform that launches interactive challenges on competitor Virtual Machines and scores them in real time.
- AECP has powered cybersecurity challenges at the Cyberpatriot X national finals and at WiCyS 2018

Education

Hofstra University

B.S. IN COMPUTER SCIENCE - CONC. IN NETWORKING AND CYBERSECURITY

Hempstead, NY

Sep 2016 - May 2020

Honors & Awards

- 2018 **Scholarship Recipient**, 2018 AOC Metropolitan Club Scholarship
- 2018 **1st Place**, 2018 Facebook CTF and Bug Bounty Competition
- 2017-2019 **Scholarship Recipient**, Facebook Black Hat/DEF CON, F8, and Enigma Conference Scholarships

Certifications

Aug. 2018 **Offensive Security Certified Professional**, Offensive Security

Skills

Security WAPT, INPT, ENPT, Threat Modeling, Red Team, Linux & Windows OS internals

Technologies Docker/K8S, AI/ML, NodeJS, React, Rails, CI/CD, Spring, .NET

Programming Languages Python, Ruby, C#, Java, JavaScript, SQL, Golang

Languages English, French