

George Osterweil

Holliston, MA

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Summary

Cybersecurity and Software Engineering professional. Interested in positions in software engineering, security engineering, and penetration testing.

Education

Hofstra University

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

- GPA: 3.98

Hempstead, NY

Sep 2016 - May 2020

Work Experience

NCC Group

SECURITY INTERN

- Identified and reported severe security vulnerabilities in client applications and networks
- Collaborated with other testers to deliver a month-long red team engagement, simulating the techniques of an advanced attacker
- Designed and implemented Winstrument, a framework to help with Windows thick client application security assessments

New York City, NY

May 2019 - Aug. 2019

Facebook

PROJECT SUPPORT/ENGINEER (CONTRACTED)

- 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

Remote

Nov. 2017 - May 2018

Hofstra University Computer Science Dept.

STUDENT TECHNICIAN

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

Hempstead, NY

Jan. 2017 - Present

Codepath.org

TECHNICAL PROGRAM MANAGER

- 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

Hempstead, NY

Nov. 2017 - May 2018

Projects

Winstrument

NCC GROUP

- Designed and built a tool in Python to help security testers assess Windows applications
- Winstrument is highly modular, extensible framework around Frida to analyze a Windows application in a black box

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

Honors & Awards

2018 **Scholarship Recipient**, 2018 AOC Metropolitan Club Scholarship

2018 **1st Place**, 2018 Facebook CTF and Bug Bounty Competition

2018 **Letter of Recognition from Facebook CSO Alex Stamos**, Cyberpatriot X Project

2017-2019 **Scholarship Recipient**, Facebook Black Hat/DEF CON, F8, and Enigma Conference Scholarships

Skills

Programming Languages Python, Ruby, C/C++, C#, Java, Javascript, MySQL

Tools/Markup/OSes/Other Metasploit Framework, Burp Suite, NMAP, Frida, Git, HTML/CSS, Linux, Windows, LDAP

Soft Skills Excellent critical thinking and problem-solving ability. Strong writing skills. Highly collaborative mindset.

Languages English, French