Wong Wai Tuck

Security Enthusiast · OSCP · OSCE · OSWE · OSWP

☎ +65 8319 2694 | ✉ me@waituck.sg | ⌗ wongwaituck | in wongwaituck

Education

CMU INI (Carnegie Mellon University - Information Networking Institute) *Pittsburgh, PA*

M.S. in Information Security *Aug. 2018 - May 2020*

- Thesis: Dynamic Taint Tracking in Javascript For JavaScript
- Coursework: 15605: Operating Systems Design & Implementation; 15611: Compiler Design
- Head TA for 14-741: Introduction to Information Security, 14-828: Browser Security
- Extracurricular Activities: Plaid Parliament of Pwning (PPP)

CMU (Carnegie Mellon University) *Pittsburgh, PA*

B.S. in Information Systems (Exchange) *Aug. 2017 - Aug 2018*

- Coursework: 15-487: Introduction to Computer Security, 67-327: Web Application Security

SMU (Singapore Management University) *Singapore*

B.S. in Information Systems, 2nd Major in Applied Statistics; GPA: 4.0/4.0 *Aug. 2015 - Aug 2017*

- Dean's List 2015 -2016, 2016 -2017
- Academic Awards: JPMorgan Chase Best Enterprise Integration Project Award, Best Final Year Project (IS480) Team, Excellence Award in Applied Statistics Major, IMDA Gold Medal Award
- Coursework: Learning and Planning in Intelligent Systems (Graduate), Information Security (Graduate)
- Extracurricular Activity: President of Whitehat Society (2015-2017), pioneered WhiteHacks@SG, co-organized CrossCTF

Experience

Splunk Inc. *San Jose, CA, USA*

Product Security Intern *May. 2019 - Aug. 2019*

- Found and triaged vulnerabilities, and communicated directly with development teams.
- Wrote guides for developers to detect and prevent these anti-patterns
- Pioneered CTF-style onboarding workshop, which won 2nd in Most Innovative Project among 36 projects (including those from full time staff) in the first Engineering Effectiveness Hackathon. Put into production since Q4 2019.

CSIT (Centre for Strategic Infocomm Technologies) *Singapore*

Info Security Technology Intern *May. 2018 - Jul. 2018*

- Developed an IDA Pro plugin for Automated Malware Unpacking, which includes an x86 PE loader on top of open source frameworks such as Unicorn and Angr to emulate malware

GSoC (Google Summer of Code) *Remote Work*

Nmap Scripting Engine - Script Developer (Vulnerability and Exploitation Specialist) *May. 2017 - Aug. 2017*

- Wrote and completed the detection script for Sambacry/CVE2017-7494 within 3 days of the vulnerability being announced
- Other scripts: CVE2017-8917, SMBLoris, Puppet Naive Signing Detection
- Performed refactoring of Nmap NSE code base

Honors & Awards

2019	**1st Place (DEFCON Black Badge)**, DEFCON 27 CTF		*Las Vegas, NV*
2019	**2nd Place; Best Writeup; 0 Day Award**, MITRE Embedded CTF		*Boston, MA*
2018	**1st Place (DEFCON Black Badge)**, Red Alert ICS CTF		*Las Vegas, NV*
2017	**3rd Place**, BlizzCTF		*Orange County, CA*
2016	**2nd Place**, SWaT Security Showdown Final		*Singapore*

Certifications

2019	**Offensive Security Web Expert**, OSWE - OS-AWAE-10789	*Offensive Security*
2018	**Offensive Security Certified Expert**, OSCE - OS-CTP-039693	*Offensive Security*
2016	**Offensive Security Certified Professional**, OSCP - OS-101-05835	*Offensive Security*