PETER OTT

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Education

George Mason University, Honors College — Computer Science, BS - 2017

Professional Experience

Intern, Innovative Defense Technologies, idtus.com — 2013 - present

2013 - Won high-school contest for window tracking and was hired as a summer intern. Created jUnit test cases, small utilities to assist customers, miscellaneous small projects. Reported bugs and delivered bug fixes on main products.

2014 - Plotted and tracked land and sea vehicle locations in real-time from a database to a map powered by NASA's WorldWind open-source project.

2015 - Improved accuracy of optical character recognition performance on low-resolution screen captures from 30% to 75% using Google's Tesseract (Optical character recognition engine) through tweaks and probabilistic deduction.

2016 - Network message creation and analysis along with fuzz testing a ship control system to improve the security of Naval vessels. Used artificial intelligence learning techniques to improve the effectiveness of fuzz testing.

Qualifications

Secret Security Clearance Holder

Very comfortable working in a UNIX environment, especially Kali Linux.

Languages: C, HTML, Java, Javascript, Lisp, Python, MIPS Assembly, bash

Familiar with Eclipse for large projects as well as Emacs and then vim.

Moderate understanding of network tools such as the Aircrack suite, Burp Suite, Nessus, netcat, nmap, and Wireshark.

Beginner at penetration testing skills such as various password cracking techniques, reverse shells, SQL injection, and XSS.

Personal Experience

Playing Capture The Flag (common pen. testing game) on specially made virtual machines to simulate real world systems.

Played through the "bandit" war game (pen. testing tutorial from OverTheWire)

Volunteer Experience

Web Admin, Catholic Campus Ministry at GMU, 2014 - present
Member of the advertising committee for our student organization, managed the church's website and events calendar for the community.

2014-2016 (Q1,Q2) Managed Joomla website using FTP, HTML, CSS, etc.

2016 (Q3) Built a new website through SquareSpace. Recorded and edited videos.