David Weinman

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EDUCATION

THE EVERGREEN STATE COLLEGE

B.S. Computer Science
June 2014 | Olympia, WA

SUMMARY

COLLEGE EDUCATION

Analysis of Algorithms
Calculus
Computer Security + Practicum
Data Structures + Practicum
Discrete Math
Formal Language Theory
Machine Learning
Networking + Practicum
Operating Systems + Practicum
Programming Language Design
Statistics
Unix Systems Programming

LINKS

Github:// **clampz**
Twitter:// **h3ll_d0g**

SKILLS

PROGRAMMING

C • Python • Bash • Objective-C • Perl
Ruby • C++ • C# • Haskell • ARM64
NASM (x86 & x64) • Powershell • Java

Markup:
HTML • LaTeX • XML • YAML

APIs:
Angr • IDAPython • Pwntools • PyLab
AWS EC2 & S3 Ruby API • GDBPython

OPERATING SYSTEMS

Linux (RedHat, Gentoo, Arch, Kali)
OS X • Windows XP, 7 & 10, Server 2012

TOOLS

Vim • XCode • Introspy • class-dump
Voltron • Graphviz • VMWare • Qemu
Process Explorer • Process Monitor
GEF/PEDA • LLDB/GDB • OllyDBG
Vagrant • IDA Pro • Radare2 • Wireshark
Yara • s/l/dtrace

EXPERIENCE

SYNACK | Security Research Engineer

August 2016 - Current | San Francisco, CA

- Publicity driven Security research, IoT Security assesments, iOS Mobile Security assesments & Automated Vulnerability Detection research.

OPTIV SECURITY | Security Consultant

March 2016 - June 2016 | Olympia, WA

- Information Security Consulting, primarily relating to Symantec DLP. Deployed Proof of Concept and production Symantec DLP platforms.

ACCUVANT | Associate Consultant

May 2015 - February 2016 | Olympia, WA

- Training and Shadowing to become a Security Consultant. Worked with Websense and Symantec DLP. Deployed a production DLP platform.

QUASR CENTER | Tutor

Sept 2013 - June 2014 | The Evergreen State College, Olympia, WA

- Tutoring in Computer Science, Math and Physics.

SELECTED HIGHLIGHTS

- Presented Introduction to Reverse Engineering and Binary Exploitation at BSides Las Vegas 2017
- Completed and Documented numerous iOS App Pentests including associated OSX Desktop installers and IoT devices for several high profile clients.
- Automated several iOS App Reversing & Pentesting tasks including Jailbreak Detection bypasses with Yara & APIs such as IDAPython and Mobile Substrate.
- Presented a small web-based talk for OpenToAll team members on recording program state & reverse debugging in GDB.
- Won 2nd place at PRCCDC 2014 (Cyber Defense Competition) with the Evergreen State College's team, oversaw Dovecot Email server, found Red Team's Beacon using Windows Sysinternals Process Monitor, and created firewall rules to terminate communications from Beacon.
- Designed, programmed, tested and implemented Fuzzing scenario for the NSF-Funded Dynamic Wargaming Framework: EDURange.
- Designed, programmed, tested, and implemented NMap Scan Detector in C. In February 2015 I presented an Introduction to TCP/IP and Scan Detection, along with my reasoning for having chosen the detection method I used to the Evergreen Hacker club.
- Designed, programmed, tested and implemented a minimal Optical Character Recognition tool using Artificial Neural Networks and Error-Back-Propagation in Python.
- Experienced Tutor in Computer Science, Algebra, and Physics.
- 3rd at Haxdump CTF 2015, and 3rd at Toorcon CTF 2015 & 2016.