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**
WWW:// **clampz**

SKILLS

PROGRAMMING
C • Python • Java • Objective-C • Perl
Ruby • C++ • C# • Haskell • ARM64
x86 & x64 Asm • Powershell

Markup:
HTML • LaTeX • XML • YAML

APIs:
Angr • IDAPython • Pwntools • ncurses
AWS EC2 & S3 Ruby API • GDBPython
Selenium WebDriver • libtesseract

OPERATING SYSTEMS
Linux (Debian, Gentoo, Arch, Kali)
MacOS • Windows 10, Server

TOOLS
Vim • XCode • dnSpy • class-dump
Theos • LLDB/GDB • OllyDBG
JEB • IDA Pro • Radare2 • BURP
Frida • s/l/dtrace

EXPERIENCE

SECURITY CONSULTANT | DZ Consulting LLC
December 2019 - Current | Olympia, WA
- Working with clients to achieve their Tech Security related goals. Delivered on a variety of projects from Software Prototyping to Code Obfuscation systems to Automotive ECU Reverse Engineering.

ADJUNCT PROFESSOR | The Evergreen State College
February 2020 - June 2020 | Olympia, WA
- Designed and planned an undergraduate course in Application Security. Topics included SQL Injection, Cross-Site Request Forgery, Static & Dynamic Binary Analysis, Return Oriented Programming, & Address Space Layout Randomization. Lectured Several times a week, led lab time where students carried out instructed attacks in controlled lab environment, and held lab hours where students could receive 1:1 instruction.

RESEARCH ASSISTANT | The Evergreen State College
September 2018 - September 2019 | Olympia, WA
- Migration, Rewriting and Extension of tracing and analysis software created at USC. Contributed to several published academic papers.

RESEARCH ASSISTANT | University of Southern California
June 2018 - September 2018 | Los Angeles, CA
- Tracing and analysis of student data in Deterlab educational exercises. Leveraging system call hooks and linux teletype device sniffing. Designed tool for cross-referencing two sources of data.

RESEARCH ASSISTANT | The Evergreen State College
November 2017 - June 2018 | Olympia, WA
- Created Networking and Security lab content and built practicum pathway. Lectures and direct student help in Binary Exploitation, Assembly Language, C Programming and Runtime Analysis.

SECURITY RESEARCH ENGINEER | Synack
August 2016 - November 2017 | San Francisco, CA
- Publicity driven Security research. Facilitated Network Penetration Tests, IoT Security Assesments, & iOS Mobile Security Assesments. Automated Vulnerability Detection Research and Engineering.

SECURITY CONSULTANT | Optiv Security
March 2016 - June 2016 | Olympia, WA
- Information Security Consulting, primarily relating to Symantec DLP. Deployed Proof of Concept and production Symantec DLP platforms.

SELECTED HIGHLIGHTS

- Contributed to published paper at ACM "Using Terminal Histories to Monitor Student Progress on Hands-on Exercises"

- Completed and Documented numerous iOS App Pentests including associated MacOS Desktop applications and IoT devices for several high profile clients.

- Wrote an Automated Jailbreak Detection Bypass tool for iOS which allowed many other dynamic analysis tools to run on client apps while remaining undetected, this tool ran with success rates exceeding 95%.