

Jack Farley

SKILLS

- JTAG/ISP Extractions
- Top Forensic Software
- Basic x86 & x86_64
- Basic Malware Analysis
- Python
- Basic C++
- Linux
- Windows/Apple/Android/ Filesystems

EXPERIENCE

Leahy Center for Digital Investigation, Burlington, VT – *Research Assistant*

January 2017 – Present

- Worked on 3 different projects over 4 semesters.
- Malware Analysis
 - Current project, tasked with creating a high end lab environment to safely analyze malware in multiple Windows environments.
- Bluetooth Tracking Project
 - Tasked with creating Python scripts paired with Ubertooshs and Raspberry Pis to track Bluetooth devices throughout a building.
- Application Analysis
 - Investigated forensic artifacts left behind by Android Applications.
 - Maintained chain of custody with superiors for our test device.
 - Performed ADB physical extractions and Cellebrite logical extractions.

Sony, Herndon, VA – *Computer Forensics Intern*

June 2018 – August 2018

- Worked on two Capstone projects as well as other research.
- Capstone 1: ISP/JTAG
 - Learned how to successfully perform both JTAG and ISP extractions on multiple Android devices.
- Capstone 2: Global Threat Emulation - GTE
 - Worked with Sony's Red Team to find forensic artifacts left behind by their custom tools.
- Other research
 - Assisted with case work when cases came in.

- Taught myself basic x86 assembly using Xeno Kovah's 12 hour online x86 class to prepare for GTE capstone.
- Completed x86 practice labs created by Sony's Red Team.
- Started Corey Kallenberg's online intro to software exploits class.
- Attended coworker led malware/reverse engineering classes based off of the *Practical Malware Analysis* textbook.

Leahy Center for Digital Investigation, Burlington, VT – Technical Intern

August 2016 – December 2016

- Semester long group project called Forensic Tool Evaluation
 - Generated test data on HDD.
 - Tested various forensic tools to compare performance between them.
 - Created finalized report to present to our superiors.

EDUCATION

Champlain College, Burlington, VT – B.S. Digital Forensics, Minor Computer Science

August 2016 – May 2020

Currently a junior as of Fall 2018, having earned a 3.808 GPA as of now. Taken classes such as Intro to Programming, File System Forensics, Forensic Tool Evaluation, Intro to Digital Forensics, and many other related courses. Currently taking Advanced Programming, Mobile Device Forensics, and Discrete Mathematics. The Spring of 2019 semester will include the following courses: x86 assembly, exploits/offensive security, iOS app development, data structures and algorithms, and operating system forensics.

Activities

- Contributor to Yogesh Khatri's Mac-Apt Mac OS artifact parsing tools - https://github.com/ydkhatri/mac_apt
- [Github.com/jfarley248?tab=repositories](https://github.com/jfarley248?tab=repositories)
- Champlain College "Champ Guide"
- Champlain College Digital Forensics Association Member

Certifications

Certified Splunk 6.x User