Tyler J. Boire

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Skills:
Operating systems: Debian & Red Hat Linux, Windows Clients and Server, Mac OSX, Android, IOS
Programing: C++, Python, Bash, HTML, CSS, Android, Dalvik
System Administration: AD, DNS, DHCP, Apache2, ESX Virtualization, HoneyPots
Digital Forensics: FTK, EnCase, Internet Evidence Finder, RegRipper, Volatility

Education:
Champlain College Burlington, VT   **August 2012-May 2016**
Computer Networking and Information Securities with a minor in Digital Forensics
GPA: 3.4

Clinton Community College   **May 2011**
General Curriculum   **GPA: 3.67**

Relevant Coursework and Extracurricular Training/Competitions
Ethical Hacking and Pentesting:
- Learned pentesting methodology and skills to assess network security including working with MetaSploit and other industry tools to gain access to secure systems.

Networking and Information security:
- Learned best practices for securing networks and establishing services that can resist outside attackers.

Information Assurance:
- Reviewed best practice standards such as NIST, PCI, HIPAA

Enterprise and Perimeter security:
- Worked with pFsense and VyOS firewalls to create and maintain secure simulated networks and determine best practices for network segmentation.

Defcon class on Android Malware Reverse Engineering:
- Worked through introduction reversing of malicious android applications and exploitation of vulnerable services.

Competitions:
MITRE CTF: , NYU Poly CSAW,
North Eastern Collegiate Cyber Defense Competition:
- Defended simulated enterprise network against professional penetration testers for 48 hours in a team setting.

Professional Experience:
Palo Alto Networks, Threat Specialist   **June 2016-Present**
Reston, VA
        Engaged with Palo Alto Networks customers to help address threat related issues with the PAN-OS products, including:

- Determined false positive and false negative verdicts for IPS, sandbox dynamic. analysis verdicts, URL categorization, and C2 communication detection.
- Assisted in creating coverage for emerging vulnerabilities.
- Assisted in creating coverage for emerging malware variants.
- Assisted in identification and tagging of various malware families.
- Wrote triage reports of perceived product vulnerabilities.

Designated a National Center of Academic Excellence in Information Assurance Education by the National Security Agency and Department of Homeland Security

- Analyzed threat data.
- Assisted customers with forensic investigations.
- Interpreted commodity scan results against the Palo Alto Networks platform.
- Assisted in IPS signature development, improvement, and tuning.
- Knowledge transfer of product functionality.
- Worked with customers in establishing best practices configuration for individual environments.

LCDI, Sr. Network Admin and Forensics Researcher   Dec 2015-May 2016
Burlington, VT
- Oversaw junior admins and maintained critical infrastructure to keep the lab functioning
- Performed vulnerability assessments and inventory tracking
- Implemented log aggregation using GreyLog2
- Improved documentation on existing procedures
- Researched forensic uses for JTAG/ChipOff techniques
- Provided JTAG documentation for our director to use in active investigations.
- Provided consultation on Amazon Alexa research.

Dell SecureWorks, Intern   June 2015-April 2015
Rhode Island/Remote
- Aided the Threat Intelligence department in analyzing a kill chain for [Threat Group 3390](#).
- Reported on threat assessments of hostile countries and capabilities based on OSINT.
- Consolidated and reworked best practice and remediation suggestions.
- Reviewed SANS GCIH material with new hires prep for their test.

Champlain College Helpdesk   December 2012-November 2015
Burlington, VT
- Helped to support the campuses network, facility and staff of 7,000 people.
- Improve and maintain computer 10+ labs on campus.

Leahy Center for Digital Investigation, Summer Network Admin
April 2014-Dec 2014
Burlington, VT
- Main Network administrator for the summer.
- Supported 60 clients and 10+ virtual servers.

Champlain College Teacher's Assistant   September 2013-April 2014
Burlington, VT
- Linux Admin I & II.
- Aided teacher in assisting students when problems arose in labs.
- Made sure that the lab was in working order so that class will run smoothly.

Westelcom NOC Technician   May 2013-August 2013
Plattsburgh, NY
- Worked the call center and helped maintain/install network components.

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