

# James P. Luck

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## Technical Experience

### Sourcefire VRT, Cisco Systems

June-August 2014

#### Summer Intern

- Support for malware analysis and ClamAV deployment infrastructure
- Major projects: trawling 14TB of data for certificates, optimizing lighttpd mirrors, speed-testing Akamai DNS deployment, retiring RHEL in favor of FreeBSD

### Research Assistant, University of Delaware

February-October 2014

- Bulk data collection using the Github API/git and analysis using Python
- Collected and parsed 5 million Github projects for representative sampling

### Lerner College of Business, University of Delaware

2012-Present

#### Student IT Assistant

- Client-facing IT Support and server maintenance
- Developed web check-in application for student advising services on a LAMP stack

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## Skills

### Programming

- Proficient: Python, C, Bash. Experience with Perl, Java, C++, PHP, C#
- Strong interest in reverse engineering, digital forensics, and penetration testing

### Tools

- Container/Virtualization using VMware VSphere, docker
- Networking: tcpdump, wireshark, scapy, some pf
- Pentesting: burp/ZAP, Nessus, Metasploit

### Operating Systems

- Proficient: Linux, FreeBSD, OpenSolaris. Experience with Windows Server 2008/2012

### Home Server Structure

- ESXi with Linux/FreeBSD VMs for development, web/media hosting, and automation
- Used to study for the Red Hat Certified Engineer (RHCE), expected mid-2015

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## Education

### University of Delaware

2011-Present

#### B.S., Computer Science; Concentration in Computer & Network Security

- Cumulative GPA: 3.57
- University Scholar and Dean's List member for the past 5 semesters

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## Other Experience

### Linux Users' Group of the University of Delaware

2013-Present

#### President

- Co-created 2013 and 2014 LUG/ACM hackathons
- Planned/built a raspberry pi cluster to explore parallel programming
- Given demonstrations of GPU hash cracking, customization, basic system hardening

*References and recommendations available upon request.*