

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

Application Developer

- Client-facing IT Support, Drupal site updates, and server maintenance
 - Developing web check-in application for student advising services using Python's Flask
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Skills

Languages and Tools

- Programming: Python, C, Bash. Experience with Perl, Java, C++, PHP, C#
- Strong interest in reverse engineering, digital forensics, and penetration testing
- Container/Virtualization: VMware VSphere, Docker, some KVM
- Networking: tcpdump/wireshark, iptables/ufw, some snort
- Automation: Ansible for everything, whole lab deployment in less than 3 hours

Operating Systems

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

Home Server Structure

- 2 Proxmox hosts with Linux VMs for development, web/media hosting, and automation
 - Currently encapsulating most services in LXC containers
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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 last 7 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
- Overhauled hardware and software stack to use modern machines & standardization
- Given demonstrations of GPU hash cracking, customization, basic system hardening

References and recommendations available upon request.