James P. Luck

me@jamesluck.com   www.jamesluck.com

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

---

Skills

Languages and Tools
- Programming: Python, C, Bash. Experience with Perl, Java, C++,PHP, C#
- Strong interest in automation, network scaling, and security
- 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 containers

Education

University of Delaware   2011-2015
B.S., Computer Science; Concentration in Computer & Network Security
- Cumulative GPA: 3.57
- University Scholar and Dean's List for 7 out of 8 semesters

---

Other Experience

Linux Users' Group of the University of Delaware   2013-2015
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.