James Luck

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Technical Experience

LinkedIn   **August 2015-Present**
Site Reliability Engineer
- Automation of thousands of RHEL machines across several worldwide datacenters
- Search infrastructure triaging and deep-dive failure analysis of Java applications
- Python scripting for scalable deployments using RESTful APIs

Sourcefire VRT, Cisco Systems   **June-August 2014**
Summer Intern
- Support for malware analysis and ClamAV deployment infrastructure
- Major projects: trawling terabytes of data for certificates, optimizing lighttpd, speed-testing Akamai CDN deployment, retiring RHEL in favor of FreeBSD

University of Delaware   **February-October 2014**
Research Assistant
- Bulk data collection using REST APIs and parallel git, analysis using Python
- Collected and parsed 5 million Github projects for representative sampling

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Skills

Languages and Tools
- Programming: Python, C, Bash. Experience with Perl, Java, C++,PHP, C#
- Strong interest in automation, horizontal scalability, and security
- Container/Virtualization: VMware VSphere, KVM, some Docker & LXC
- Automation: Ansible for everything, whole lab deployment in less than 3 hours

Operating Systems
- Proficient: Linux, FreeBSD. Experience with Windows Server 2012, Solaris, OpenBSD

Home Server Structure
- 2 KVM hosts with Linux VMs for development, web/media hosting, and automation

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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

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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.