

COMPUTER S. RESUME

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EDUCATION

Brigham Young University, Provo UT

April 2016

M.S. Computer Science

- Working as a Research Assistant in BYU's Internet Security Research Lab
- Research focuses on intersection of security and usability, along with trust management
- Coauthor on several papers, presenting the results of security usability studies

B.S. Computer Science, Math minor

December 2013

- 3.97 major GPA, 3.79 cumulative GPA
- Winter 2012 & 2013 Dean's List, College of Physical and Mathematical Sciences
- National Merit Scholarship recipient every semester

Relevant Coursework

- Penetration Testing, Advanced Computer Security, Machine Learning
- Participated in CSAW CTF competition
- Implemented a novel web authentication protocol as part of a lab research project

SKILLS

- Languages
 - Proficient – Python, Java, PHP, JavaScript (vanilla & jQuery)
 - Intermediate – C, C++, C#, Bash
- Technologies – MySQL, HTML, CSS, XML, JSON, Regex, Ajax, Unix, Eclipse IDE

WORK EXPERIENCE

Security Analyst Intern, Adobe

May – August 2015

- Developed extensible automated code analysis systems to rapidly discover security vulnerabilities in web applications
- Saved hundreds of engineer hours by interfacing with security scanning APIs to deliver vulnerability results to a JIRA issue tracking service

Senior Web Developer / System Administrator, The RBL Group

2011 – 2014

- Supervised and mentored a small team of developers, reducing development time and assisting in their professional growth
- Ensured data safety by implementing efficient daily incremental backups

IS&T Intern, Apple Inc.

May – August 2013

- Developed a crash log clustering tool in Java for root cause analysis using the DBSCAN clustering algorithm and Levenshtein distance measurements
- Saved test engineers potentially hundreds of hours of log analysis time

Project Lead Programmer, BYU College of Humanities

April 2011 - April 2012

- Repaired code base for WEBCLIPS, an interactive grammar instruction web application
- Secured database access functions by creating a unified data access layer

VOLUNTEER EXPERIENCE

- Lead technology specialist for church group of 1000+ members
- Served as full-time missionary for church in Melbourne, Australia (December 2008 – 2010)
- Tutored CS students
- Attained Rank of Eagle Scout plus Bronze Palm, assisted with many others

HOBBIES AND INTERESTS

- Podcast technical director
- Engineering home-made appliances