Jack Chou

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EDUCATION

2012 – 2016 **University of California, Berkeley**
B.S. Electrical Engineering and Computer Science (EECS)
- Regents' and Chancellor's Scholarship candidate (top 2% of all UC Berkeley applicants)
- Eta Kappa Nu (HKN) international EECS honor society member

2008 – 2012 **San Ysidro High School** *Valedictorian*

ACADEMIC COURSEWORK

Data Structures	Computer Security	Computer Architecture
Efficient Algorithms	Networking Architecture & Protocols	Systems and Signals
Software Engineering	Database Systems	Discrete Math and Probability Theory

SKILLS

Languages Python > Java > C/C++ > CSS > HTML > JavaScript > SQL > Ruby > Scala > MIPS > LISP

Security
- Wireshark, Nessus, Snort, Metasploit, Kali Linux, Nmap/Netcat, iptables, gdb, SSH/PuTTY, GPG, Scapy, Windows Sysinternals (procexp, tcpview, autoruns), Lynis, John the Ripper, hex editors

Environments
- Unix, Windows, Vim, VMWare, VirtualBox, Android SDK, IntelliJ IDEA, MS Visual Studio

Frameworks
- Apache Spark, Apache Hadoop MapReduce, Ruby on Rails, Twitter Bootstrap

EXPERIENCE AND INVOLVEMENT

Aug 2013 – present **UC Berkeley SA Information Technologies**
Lead Security Engineer (Dec 2014 - present) | Security Engineer (Aug 2013 - Dec 2014)
- Lead a team of 8 to design, audit, and enforce security operations and policy throughout campus.
- Spearhead web/mobile application projects and internal tools development focused on security.
- Perform code reviews and system audits to minimize security vulnerabilities throughout campus.
- Train and educate employees and students by holding workshops on security-related topics.
- Respond to, resolve, and investigate network security incidents to protect sensitive hosts and data.

Jan 2013 – present **BERKE1337 Cyber Security Team**
***Team Captain** | 1st place winner, Western CCDC 2014 & 2015 | 2nd place winner, National CCDC 2015*
- Defend vulnerable networks from active attackers while maintaining critical services.
- Facilitate teamwork by delegating tasks, mediating conflicts, and keeping team members focused.

May 2013 – Aug 2013 **UC Berkeley SA Information Technologies**
***Residential Computing Consultant** | 1 of 15 new hires out of 300+ applicants*
- Provided network, software, and hardware support for over 8,000 UC Berkeley residents.

SELECTED PROJECTS (see full list of projects at jchou.github.io)

July 2014 – present **SecureMe**
***Simple security diagnostic checklist for any Android device** | Java | Android SDK | Android Studio*
- Automagically helps users securely configure any Android device.
- Helps users understand mobile security best practices with straightforward security tips.

Nov 2013 – Apr 2014 **bwReport**
***Filterable network traffic report generator** | Python | Cisco NetFlow*
- Internal tool for quick, simple, and precise bandwidth usage analysis across thousands of hosts.
- Network usage statistics CLI over Ethernet and RADIUS Wi-Fi Accounting (RFC 2866)

AWARDS AND HONORS

2012–present
- Recipient of the Berkeley Undergraduate Scholarship

2015
- 2nd place winner (*SecureMe*) of the 2015 UC Berkeley campus-wide mobile app competition

2015
- Director of public relations for UC Berkeley IEEE, best 2014 student engineering organization

2014
- Best Non-Profit Organization Hack (*Hall of Time*) of the Cal Blueprint Social Good Hackathon

2013
- Finalist for the Pacific Gas & Electric Bright Minds Scholarship

2012
- College of Engineering Dean's Honors List