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*

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

May 2015 – present **Visa**
Enterprise Security Architecture Intern
- ▸ Architect and integrate a network security framework to support business-to-security alignment and mitigate security risks across a global enterprise infrastructure.

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 across campus.
- ▸ Spearhead web/mobile application projects and internal tools development focused on security.
- ▸ Train and educate employees and students by holding workshops on security-related topics.
- ▸ Investigate and resolve network security incidents to protect sensitive data and 10,000+ hosts.

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 the team focused.

May 2013 – Aug 2013 **UC Berkeley SA Information Technologies**
Residential Computing Consultant | *Supported 8,000+ residents* | *1 of 15 hires out of 300+ applicants*

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)

ACADEMIC COURSEWORK

Data Structures	Computer Security	Computer Architecture
Efficient Algorithms	Networking Architecture & Protocols	Operating Systems *(current)*
Software Engineering	Database Systems	UI Design and Development *(current)*

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*) at the Cal Blueprint Social Good Hackathon
2012	▸ College of Engineering Dean's Honors