Jack Chou

Jchou.github.io | jackshchou@gmail.com

EDUCATION

2012 – 2016	**University of California, Berkeley**	GPA: 3.2/4.0

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*	GPA: 4.0/4.0

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, vSphere, VirtualBox, Android SDK, IntelliJ IDEA, MS Visual Studio
Frameworks	▸ Apache Spark, Apache Hadoop MapReduce, Ruby on Rails, Twitter Bootstrap

EXPERIENCE AND INVOLVEMENT

Aug 2016 - present — **NerdWallet**

Software Engineer
- ▸ Provide platform, identity, and engagement services to the engineering team.

Aug 2013 – May 2016 — **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 – May 2016 — **BERKE1337 Cyber Security Team**

President, Team Captain *| 1st place, Western CCDC 2014 & 2015 | 2nd place, National CCDC 2015*
- ▸ Defend vulnerable networks from active attackers while maximizing critical service uptime.
- ▸ Facilitate teamwork by delegating tasks, mediating conflicts, and keeping the team focused.

May 2015 – Aug 2015 — **Visa**

Enterprise Security Architecture Intern
- ▸ Architect a network security zoning framework across Visa's global enterprise infrastructure.
- ▸ Execute a proof of concept for seamless and robust virtualized infrastructure encryption.

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

Feb 2015 — **Distributed query subroutine caching** — *Scala | Apache Spark*
Distributed processing bottleneck reducer via hash partitioning (disk) and UDF caching (memory)

Feb 2015 — **SecureMe** — *Java | Android SDK | Android Studio*
Simple security diagnostic checklist for any Android device

Apr 2014 — **bwReport** — *Python | Cisco NetFlow*
Filterable Ethernet & RADIUS Wi-Fi network traffic report generator

Mar 2014 — **DNS spoofer** — *Python | Scapy*
DNS server impersonator that redirects unsuspecting users to chosen destinations

ACADEMIC COURSEWORK

Data Structures	Computer Security	Computer Architecture
Efficient Algorithms	Networking Architecture & Protocols	Operating Systems
Software Engineering	Database Systems	UI Design and Development
Virtual Communities	Society and Technology	Sensors, Humans, Data, Apps

AWARDS AND HONORS

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