

LEEREN CHANG

427 Stockton Street ◊ San Francisco, California 94108

☎ (510) · 984 · 4178 📧 www.leerenchang.com ✉ leerenchang@gmail.com

EDUCATION

University of California, Berkeley

Graduated: 05/2017

- B.A. Computer Science
- GPA: 3.5
- Specializations: *Security - Blockchain - Machine Learning - Artificial Intelligence - Databases - Networking*

WORK EXPERIENCE

Yelp Software Engineer

August 2017 - Present

- Directed the integration, testing, and deployment of a Password Filter DLL service serving as a new password authentication layer to Active Directory, while reducing overhead time by 9%
- Developed different Python projects for automating Yelp's security incident response processes, including integration with Elasticsearch for malware triaging and brand alerting via Umbrella

Amazon Lab126 Software Engineer Intern

September 2016 - December 2016

- Created for the KDM (Kindle Device Metrics) Dashboard an abstraction layer which integrates with arbitrary data sources and allows for the ability to create data-type agnostic combo reports
- Used Python and Flask to perform major refactoring of the existing KDM dashboard, and ultimately increased query efficiency of an existing API data ingestion source by up to 15%

Okta Software Engineer Intern

May 2016 - August 2016

- Designed BIRP (Breach Incidence Response Plan), a feature allowing admins to detect against compromised passwords by running batch diagnostic jobs against uploaded password dumps
- Administered the full-stack project under the security team as part of Okta's web app, mainly using Java and Javascript, utilizing the Spring/Hibernate/Backbone frameworks and MySQL

Netskope Software Engineer Intern

May 2015 - August 2015

- Led development of a CLI that parses and summarizes event queries to improve performance and usability of Netskope's query service using Pymongo, Redis-Py, and Netskope's REST API
- Revamped Netskope's internal MongoDB cache to support caching of policy activities and logs using Python, after which the overhead of application queries reduced by a factor of almost 0.1

SKILLS

Highly skilled in:

Java, Python, Solidity, Bash/Zsh

Proficient in:

C, Javascript, Perl, SQL, PHP, R

Frameworks/Libraries/Tools/OS:

Elasticsearch, Spring, Vue.js, Flask, Hibernate

OpenMP, Hadoop, Geth, *nix, Git, Vim, Tmux

PROJECTS (www.github.com/leeren)

YCoin

- Created a PoS-based review network on top of Ethereum for incentivizing honest/valid reviews
- Deployed solidity contracts via geth/truffle and integrated into web app using vue.js/web3.js

Neural Network for Handwritten Digit Recognition

- Placed 2nd / 340 participants designing a neural network for MNIST digit recognition in Python
- Utilized techniques like convolutions and mini-batch descent to achieve a 99.2% Kaggle accuracy