

KAREN LI

karen.li@ucla.edu | 424-527-4886 | karenli.co | github.com/codeKaren

EDUCATION | UNIVERSITY OF CALIFORNIA, LOS ANGELES

SEPTEMBER 2015 TO JUNE 2019

- B.S. Computer Science
- Cumulative GPA: 3.96 (Dean's Honors List)
- Honor Societies: Upsilon Pi Epsilon, Tau Beta Pi

SKILLS AND COURSEWORK

LANGUAGES C++, C, Python, Java, JavaScript, Hack, PHP, OCaml, Prolog, Scheme

SOFTWARE TOOLS PostgreSQL, Apache Spark, Node.js, Docker, Android, Firebase

CS 111 Operating Systems | **CS 131** Programming Languages

CS 132 Compiler Construction | **CS M151B** Computer Systems Architecture

EXPERIENCE | SOFTWARE ENGINEER INTERN FOR FACEBOOK

JUNE 2018 TO SEPTEMBER 2018

- Implemented script to detect new services after they had been created
- Created new service detection algorithm that runs on every submitted diff and warns developers if their diffs are creating new services lacking adequate deployment automation
- Auto-generated other diffs to automatically improve deployment automation for services lacking adequate deployment automation

SOFTWARE ENGINEER INTERN FOR FACEBOOK

JUNE 2017 TO SEPTEMBER 2017

- Built all infrastructure for comment ranking personalization from ground up
- Extracted features from comments and users to use as input for ML models, both in real-time and using data pipelines for aggregate features
- Combined user engagement prediction scores generated from ML models for each comment into personalization scores used for ranking comments

JR. WEB DEVELOPER FOR FORTINET

JUNE 2016 TO SEPTEMBER 2016

- Created a new archive for Fortinet's bug reporting database to optimize time required to view entries by splitting data between two databases
- Wrote scripts to correctly insert and remove data between tables of 4M+ entries

PROJECTS | LOOP-TRADING.COM (JAVASCRIPT, NODE.JS, POSTGRESQL, REACT)

- Textbook trading web app that uses graph theory algorithms to find trade loops
- Implemented live search and back-end APIs to interact with database, deployed app using Docker and AWS, and created front-end user interface using React

DINESUM (JAVA, ANDROID, FIREBASE)

- Crowdsourcing Android application where users can make requests for informal "reservations" at restaurants that don't take real reservations
- Other users can fulfill those requests in return for a small monetary payment