

ALEXANDER LEE

CONTACT

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TECHNOLOGIES

FRAMEWORKS

- React
- Redux
- webpack
- Node
- Express.js
- Jest
- Django
- nginx
- Docker
- Looker
- PostgreSQL
- d3.js

LANGUAGES

- HTML/CSS
- Typescript
- Javascript
- Python
- SQL
- C++
- C#
- Java

PROJECTS

When Is Great

- Full Stack Web App created with **Express, React, Redux, MySQL**, and the Google Calendar API
- Eases the creation of a meeting time between groups.
- Users login with Google and fill their availabilities dictated by their Google Calendar events.

Green Dot Alumni

- Web App created with **Django**.
- Mobile App created in **React Native**.
- Alumni Portal to search and view other alumni.
- Admin Portal to send notifications and view, export users.

EXPERIENCE

Robinhood

Web Engineer, Menlo Park, CA

Aug. 2019 - Present

- Working in **Typescript, React, React Hooks, Redux, Jest**, and **Django**.
- Added protobuf-driven performance measuring tools on the web app, and created **Looker** Dashboards to view the metrics over time.
- Implemented performance improvements to options/stock derivative-related pages, conducted A/B testing to quantify changes, reduced wait time by **30-50%** and CPU usage by **70%**.
- Created visualization graphs for options/stock derivatives on the web app involving work with options math, dynamic SVGs, and **d3.js** for plotting.
- Major contributor to the U.K. Launch which included GDPR-compliance tools to selectively block logging / cookies, the U.K. marketing site, and feature gating work.
- Created a bundle size tracker for our web products, involving work in our **Jenkins CI/CD pipeline, Docker**, and **webpack** to help developers be aware of bundle size changes during development.

Facebook

Software Engineering Intern, Menlo Park, CA

Summer 2018

- Enhanced Terragraph Network/Node Editable JSON Configuration Manager with **React** and **Flux**.
- Designed and created Terragraph Login system, middleware, and user routes using **Express.js, Sequelize**, and **MySQL**.

Codecademy

Software Engineering Intern, New York, NY

Summer 2017

- Worked on and finished Project Submission Tool along with Admin Tool with **React, Redux, Rails** and **MongoDB**.
- Contributed to new Course Catalog that increased paid conversion rates by 50%.
- Built Beta Course Catalog with **React, Redux, Rails**, and **MongoDB** that increased the rate of curriculum creation.

EDUCATION

University of Southern California

2015-2019

Viterbi School of Engineering

Bachelor of Science, Computer Science & Engineering

Major GPA of 3.86 with Dean's List Honors