

## Edmond Lee

(415) 553-0166

techhexium@gmail.com

[Website and Portfolio](#) | [Github](#) | [Linkedin](#)

---

### TECHNICAL SKILLS

- Languages: Javascript (Proficient), Java (Proficient), Python (Prior Experience)
- Libraries and Frameworks: Node.js, Webpack, Express, React, Redux, Jest, Enzyme, Android, iOS
- Technologies: Git, MySQL, PostgreSQL, MongoDB, Docker, AWS EC2, Travis CI, Nginx, New Relic, Android Studio, Raspberry Pi

### PROJECTS

#### [Hivefunder](#) - System design of crowdsourcing web application

- Implemented database with PostgreSQL with 10M records of campaign data and indexing to reduce query times from 10 seconds to 0.2 seconds
- Scaled microservice and proxy Node.js servers load balanced by Nginx on Amazon EC2 T2.micro instances, tripled concurrent user request rate to 1500 per second
- Improved legacy codebase with React server-side rendering and removing redundant dependencies from Webpack bundle

#### [Wander-Lodge](#) short term rental website

- Rendered a checkout widget that integrates with a calendar to calculate availability and rental price
- Built front-end test suite with Jest and Enzyme to achieve 80% code coverage
- Lead teammates to deploy decoupled services of the site to EC2 with Docker

#### [HighwayVisualizer](#) - Full-stack road system visualizer application

- Designed an application to allow one to visualize and designate segments for a given road system
- Utilized client sided routing to display user submitted custom segments and travel statistics
- Improved query times for route coordinate data by 90% through MySQL indexing

### WORK EXPERIENCE

*JourneyTEAM, Software Developer Contractor, Salinas, CA* 2016 - 2018  
Implemented software and electronics for agricultural applications

- Designed software and hardware components for a QR scanning system with a Raspberry Pi connecting to mobile apps through Bluetooth LE for food traceability
- Implemented the QR scanning with 75% improved speed and at 50% the cost of a competitor product with OpenCV and Python multiprocessing

*NASA Goddard Space Flight Center, Software Developer Intern, Greenbelt, MD* 2015  
Collaborated with NASA developers to improve [Worldview](#), a JavaScript data visualization program

- Implemented playing and sharing animations of satellite imagery with jQuery, d3, and gifShot; features were later released to Worldview
- Contributed improvements to gifShot by a [pull request](#) submission on GitHub

### EDUCATION

**Hack Reactor**, *Advanced Software Engineering Immersive Program* 2018

**UC Santa Cruz**, *Bachelor of Science, Computer Engineering* 2016  
Santa Cruz, CA