

# Stephen Kang

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[Portfolio](#)

[LinkedIn](#)

[Github](#)

**SKILLS** Ruby, Ruby on Rails, JavaScript, NodeJS, Express, MongoDB, React-Native, React, Redux, MySQL, Postgres, CSS3, HTML5, jQuery, Git, Bash

## PORTFOLIO

### Wallstreetbets

[Live Site](#) | [Github](#)

*Real-time stock portfolio tracker built on React/Redux and Ruby on Rails*

- Retrieved real time stock prices of NASDAQ companies using a third-party API endpoint and parsed the prices into daily, weekly, monthly, and yearly intervals.
- Integrated Redux architecture's unidirectional data flow with React to dynamically display data.
- Customized Recharts D3-library for an interactive visualization the user portfolio value and the company stock market value over time.
- Accessed and manipulated data using custom routes as well as custom SQL queries for efficient API requests to Ruby on Rails backend and PostgreSQL database.

### Particles

[Live Site](#) | [Github](#)

*Interactive particle animation built on JavaScript and Canvas*

- Built an interactive animation with various behaviors using Canvas and JavaScript.
- Implemented a responsive HTML and CSS structure, for seamless mobile and desktop transition.
- Formulated algorithms to implement interactions of JavaScript objects depending on position, angular velocity, and user input.

### mICO

[Live Site](#) | [Github](#)

*Initial Coin Offering Tracker for Cryptocurrencies IOS App built on React-Native, MongoDB, Express, Node JS*

- Implemented user authentication through passport and OAuth2. Users have the ability to sign in through Google, Facebook, or LinkedIn.
- Structured index page to include infinite scroll that dynamically sends Axios requests to backend express routes, retrieving real-time ICO data.
- Utilized a react-native specific google maps package to render user's position and nearby cryptocurrency-related events.

## EXPERIENCE

### Retina Ophthalmic Technician

*UCLA Jules Stein/Doris Stein Eye Center*

June 2016 - Feb 2018

- Saw approximately 20 patient a day, administering various diagnostic tests and obtaining a detailed patient history.
- Assisted physician with plaque removals in patients with melanoma and Avastin injections by preparing a sterile environment and numbing the patient's eye.

### Undergraduate Researcher

*Ahmanson Translational Imaging, Pharmacology, Radu Lab*

Nov 2013 - March 2016

- Utilized MATLAB to implement algorithms modeling cell proliferation of leukemic cells in mice treated with various drugs, to quantify efficiency and potency of drug synergies.
- Successfully knocked down the PRPS2 Gene in the de-novo pathway of nucleotide metabolism.

## EDUCATION

### App Academy (April 2018)

Immersive software development course with focus on full stack web development.

### University of California, Los Angeles (June 2016)

*Bachelor of Science, Biochemistry*