

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](#)

Financial stock portfolio tracker with real-time data built on React/Redux and Ruby on Rails

- Utilized API requests to asynchronously receive real-time data of NASDAQ companies and parsed the data into various time interval options.
- Integrated Redux architecture's unidirectional data flow with React to dynamically display and handle the user's profile information and the companies' logistics.
- Customized Recharts D3-library to deploy an interactive data interface for visualizing the user's portfolio value and the companies' 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 aesthetic animation with a multitude of interactive behaviors using Canvas and JavaScript.
- Implemented a responsive HTML and CSS infrastructure, for seamless mobile and desktop transition.
- Formulated efficient algorithms to incorporate interactions of JavaScript objects based 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