Stephen Kang

858-210-8136 | kang.stephen94@gmail.com | 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

- Implemented a responsive HTML/CSS structure and touch compatibility 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 August 2016 - September 2017

- 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