Brendan Tsuda

t: 714.318.6993   e: brendantsuda@gmail.com   San Francisco, CA   LinkedIn   GitHub

Skills

React.js, Redux, JavaScript, Ruby, Ruby on Rails, HTML5, CSS3, SQL, postgreSQL, Node.js, Express, Mongoose.js, MongoDB, Canvas, AWS, render.com, Webpack

Projects

Lifelift Coffee   live site | github

JavaScript, React / Redux, Ruby on Rails, postgreSQL, HTML5, CSS3, AWS, render.com, Webpack

A single-page coffee website clone where users can view, purchase, review, and search for various coffee products.

- Integrated custom SQL queries to organize products by category and simplify organization of data fetched from postgreSQL database.
- Utilized local Redux state to conditionally render and style selected purchasing options for each coffee product.
- Leveraged Jbuilder and Active Record associations to calculate and render average review ratings.

.catch()   live site | github

JavaScript, React / Redux, Mongoose.js, mongoDB, Express, Node.js, HTML5, CSS3, AWS, render.com, Webpack

A minimalist dating web application designed for software engineers to connect and communicate with others in the industry.

- Incorporated sliding and swiping capabilities on user profiles using react-tinder-card library in conjunction with Swiper JS and Redux allowing users to like/match with other users.
- Designed a user profile algorithm that guarantees any user an instant guaranteed match and initial message.
- Constructed Mongoose.js user schema using JavaScript's Map class allowing for efficient and easy access to user's likes and matches.

Experience

Research Assistant I, Chemistry | June 2021 - June 2022
Calibr at Scripps Research

- Delivered 2 small-molecule drug candidates with sub-100 nM potency for further *in vivo* studies.
- Instructed 10 oncoming researchers on usage and maintenance of analytical and purification machines.
- Collaborated with Pharmacology Department on delivering and analyzing purity of lead formulations.

Site Leading / Outreach Director, Site Leader | August 2018 - May 2021
Berkeley Engineers and Mentors (BEAM)

- Communicated with 25 after-school coordinators and teachers to organize weekly sites for our mentors to attend.
- Directed a committee of 20 staff members to organize and resource education and social events for the club.
- Managed a team of 5 mentors on weekly hands-on science and engineering lessons at local elementary and middle school sites.

Education

App Academy | November 2022 | San Francisco, CA
Immersive software development course with focus on full stack web development

University of California, Berkeley | May 2021 | Berkeley, CA
College of Chemistry, Bachelor of Science in Chemical Biology