

Brendan Tsuda

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San Francisco, CA

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

Skills

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

Projects

Lifelight Coffee

[live site](#) | [github](#)

JavaScript, React / Redux, Ruby on Rails, postgresSQL, 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 postgresSQL 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 modern 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