Erik Elliott

P. 760-587-7279   erikelliott92@gmail.com   LinkedIn   Portfolio   Github   San Francisco / Bay Area

SKILLS
JavaScript • React • Redux • Ruby • Rails • RSpec • SQL • Git • JQuery • HTML • CSS • D3 • AWS S3 • MongoDB • Express

PROJECTS

Patio   (React • Redux • Ruby on Rails • PostgreSQL)   Live Site | Github

A single-page app where users connect by posting images or statuses and commenting on friends' posts. Inspired by Facebook.

- Added inline edits of comments by incorporating a slice in the Redux state to target a specific comment which provided real-time updating and created a smooth, dynamic user experience.
- Avoided n + 1 PostgreSQL database queries for posts and comments by optimizing ActiveRecord associations which created simple SQL queries.
- Integrated AWS S3 with the Rails backend for multimedia storage to optimize scalability and significantly reduce server load.
- Utilized frontend validations to reduce server load and improve performance.
- Leveraged Rails Polymorphic Associations for Likes on Posts and Comments for DRY code.
- Built modals for CRUD actions like edits of user Profiles and Posts to enhance the user experience.

Weave   (Node • Express • MongoDB • React-Grid-Layout)   Live Site | Github

An API driven dashboard where users can resize, drag and drop, and interact with multiple social media interfaces simultaneously.

- Routed API calls from the frontend to the backend while serving the response data back to the user as needed which avoided CORS and authorization issues.
- Incorporated React Hooks into a component to improve code composition and keep code DRY.
- Interfaced with multiple social media APIs to provide users with up-to-date information and a responsive interface.
- Implemented draggable and resizable component interfaces using React-Grid-Layout library for increased customization to provide an improved user experience.
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data.

Happ Maps (JavaScript • D3 • CSS)   Live Site | Github

A data visualization which utilized D3 to create maps that illustrated different happiness levels of US metropolitan areas.

- Constructed a map of the USA illustrating different happiness levels of major metropolitan areas by utilizing the D3 library.
- Used data from API interfaces and D3 to construct 3-dimensional bar-graphs on the major areas based on the different data sets to provide interactive information.
- Implemented all listener and transition effects using basic JavaScript and CSS to keep the program lightweight and reduce load time.

EXPERIENCE

Patient Transporter

Stanford HealthCare, Jan 2019 - Aug 2019

- Transported 30 patients per 8-hour shift while providing excellent customer service by personalizing each experience.
- Worked closely with nurses to ensure the safe and efficient transport of the patients.

Emergency Medical Technician

AirCare Ambulance, Sept 2017 - Oct 2018

- Trained and assessed new hires in patient interaction and performance of duties as an EMT.
- Performed medical assessments on patients by deciding priority and appropriate treatments based on county protocols.
- Inspected, assessed, and safely operated the ambulance in performance of our duties during 10 and 24 hour shifts.

Recreation Leader

San Francisco Recreation and Parks Department, Jun 2014 - Sept 2016

- Created new programs which received over 90% positive reviews by the participants.
- Planned, organized, and ran activities for campers of all ages to provide a fun, educational, and safe environment for all campers.
- Created an instructional manual for the safe assembly and take down of temporary structures which led to ease of setup and increased productivity.

Lab Assistant

UCSB Chemistry Undergraduate Stockroom, Nov 2012 - Mar 2014

- Constructed and maintained instruments and apparatuses used for the experiments to ensure safety and availability.
- Performed precise calculations with sharp attention to detail for the creation of different chemical solutions needed for student's experiments

EDUCATION

App Academy - Immersive 1000-hour full stack software development course with < 3% acceptance rate (Winter 2019)

University of California at Santa Barbara - *BS - Chemistry* (2010 - 2014)