Kevin Choy

Phone: 650-278-0659   kevinchoy22@gmail.com   portfolio   linkedin   github

Skills

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3, RSPEC, PostgreSQL, Express, MongoDB, Node.js

Projects

Full-Stack Project - HypeCamp   live site | github

HypeCamp is a clone of hipcamp.com created with: (Ruby on Rails, React.js, SQL, HTML5, Google API, CSS3, AWS)

- BCrypt password hashing ensures each user's password is protected when stored in the application's database
- AJAX requests return JSON through RESTFUL routes to display a user's profile information and trip history
- Each campsite location was displayed through the use of the Google Maps JavaScript API
- A React HashRouter was implemented to create a single page application
- Pixel for pixel design achieved through HTML5 and CSS3 styling

Javascript Project - GenreViz   live site | github

GenreViz is a data visualization project for chart topping music created with: (JavaScript, D3js v5, JQuery)

- JQuery is employed to asynchronously fetch JSON data, songs and their respective genre, from lastfm's API
- Utilized Vanilla JS to manipulate the DOM and render information on the screen
- Created intuitive data visualization transitions by leveraging the D3js library
- D3js node and link force simulation used to create the visualization component through DOM manipulation

MERN Project - Grouple   live site | github

Grouple is a chat application based on popular subreddits created with: (MongoDB, Express, React, Node.js)

- Socket.io npm package provides the chat server for multiple users to participate in a subreddit's chat
- Aesthetically pleasing and easy to use chat interface achieved through CSS3 styling
- Axios requests in combination with JavaScript promises allow realtime chat between multiple users
- Communication and teamwork with group members to complete the project within a short deadline

Experience

Mechanical Engineer

Centrillion Biosciences Inc.   May 2017 - June 2018

- Full design cycle experience: proof of concept, prototyping, development and commercial realization
- Teamwork and collaboration in design reviews to ensure mechanical designs and prototypes met company objectives and standards
- Detailed design of parts and assemblies using Solidworks 3D CAD

Lead Team Member

UC Davis Solar Regatta   January 2016 - June 2016

- Engineered and built a solar powered boat to compete in SMUD's Solar Regatta competition
- Delegated assignments to team members to increase efficiency and time management
- Explored clean energy technologies, and their importance for the modern world

Education

App Academy   (Summer 2018)

Immersive 1000-hour full-stack web development course with <3% acceptance rate

University of California @ Davis   (Sept 2012 - Dec 2016)

BS - Mechanical Engineering