Nathan Chau

e: nateychau@gmail.com   San Francisco, CA   Portfolio   Linkedin   GitHub

Skills

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, PostgreSQL, Webpack, jQuery, Git, Heroku

Projects

Facebewk (JavaScript , React, Ruby on Rails , postgreSQL , CSS3, HTML5, AWS , Heroku**)**   live site | github

Facebewk is a full stack clone of Facebook, with fully functional friending, posts, comments, and likes

- Conditionally kept track of components to render in react state to avoid excessive re-routing of components being called.
- Created custom actions in Rails' Action Controller in order to create 'mirror' rows in the friendship table for each friendship created. This allowed for faster look-up speed when querying for friendships.
- Utilized Redux store in order to save data fetched from back end to the front end, and avoid excessive requests for data that had already recently been requested.

Schopenhauer (Javascript, React, CSS3 , HTML5, Canvas API, MongoDB, Express.js, AWS, Heroku**)**   live site | github

Schopenhauer is a full-stack web app for users to create and share music visualizers for their favorite songs

- Constructed music visualizers by connecting handles from our self-made particle system to frequency/beat/amplitude data extracted from music
- Designed a visualizer template component that could take desired settings as input from a plain Javascript object. This template was reused throughout the app and kept code DRY.
- Designed user profile page, featuring visualizer thumbnails, with React and Javascript. Passed additional props to template mentioned above, which caused visualizers to play on-hover.

Experience

Data Analyst | November 2019 - July 2020

Regional Task Force on the Homeless in San Diego

- Single-handedly constructed all queries for an updated version of the By Name List - a system for prioritizing homeless clients and matching them with housing - using Looker data analytics software. This system matched 100+ homeless clients with housing or shelter opportunities.
- Provided technical support to users of San Diego's HMIS (Homeless Management Information System). Responded to 20-30 tickets a day on Zendesk, with 99% positive feedback.
- Responsible for creating news updates, events, and new user accounts on RTFH Wordpress website, the organization's platform for sharing data, and the first point of contact for homeless clients.

Learning Applications Developer Intern | July 2019 - September 2019

Company

- Worked closely with UI/UX designers and eLearning team to improve the user experience of BD's front facing learning management system..
- Designed and created a tutorial overlay, using Javascript and HTML, to help first-time users become accustomed to LMS features and navigation. All-around positive feedback from users during initial user tests.

Education

App Academy | Fall 2020 | San Francisco, CA

Immersive software development course with focus on full stack web development

University of California, San Diego | Spring 2019 | La Jolla, CA

BS of Cognitive Science with a specialization in Human Computer Interaction