William Lu

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SKILLS

React.js, Ruby on Rails, JavaScript, jQuery, Ruby, Redux, SQL, Git, HTML5, CSS3, Java

PROJECTS

Uninfo   Live Site | Github

Uninfo is a data visualization of 4-year university statistics built with JavaScript and d3.js

- Integrated Google Maps and Wikipedia APIs and custom search functionality to dynamically present university locations, summaries, and images based on user parameters.
- Designed interactive data visualizations of university statistics, including test scores, admission rates, and cultural diversity, using d3.js
- Generated smooth page-transition animations and data processing using asynchronous JavaScript such as async async/await, promises, and callbacks

Flamingo   Live Site | Github

A web app inspired by Facebook, built with JavaScript, Ruby on Rails, React, Redux, HTML5, CSS3, Webpack, and AWS

- Leveraged JavaScript, HTML5 and CSS3 to build an interactive and user-friendly single-page application that has user authentication, posting, commenting, and friending functionalities
- Utilized Redux architecture's unidirectional data flow with React for predictable state and reliable DOM rendering
- Optimized the volume of queries to the PostgreSQL database and heavily DRYed up backend code by utilizing a one-to-many polymorphic table for post and comment likes
- Ensured user privacy and autonomy through frontend and backend authentication measures and React Router, allowing users to only make changes to their own profile, posts, and comments

EXPERIENCE

Teaching Assistant

Brooklyn Chinese-American Association, Jun 2016 - Sep 2016

- Fostered meaningful relationships among over 30 students through student field-trip retreats and team-work community service projects
- Supported classroom activities, including tutoring, grading homework and reviewing exams

EDUCATION

App Academy - Immersive software development bootcamp with 1000+ programming hours and 3% acceptance rate (Summer 2019)

Hunter College Honors - *Computer Science - GPA 3.85*   (Fall 2018 - Spring 2022)