William Lu

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SKILLS
JavaScript, React.js, Redux, jQuery, Ruby, Ruby on Rails, SQL, HTML5, CSS3, Java, C++, Python

PROJECTS

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
- 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

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/await, promises, and callbacks

ExploreNews   Github

A Spring Boot based web applications that utilizes NewsApi to allow users to search for articles from all over the world and in hundreds of languages.

- Utilized Spring Security, Spring Social, and Hibernate to implement database authentication and OAUTH 2.0 that supports Google, Facebook, and Twitter

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 - *Computer Science - Relevant Coursework: Data Structure, Discrete Math, Computer Architecture - Awards: Daedalus Computer Science Scholarship , Dean's List - GPA 3.85* (Fall 2018 - Spring 2022)