William Lu

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EDUCATION

Hunter College - Bachelor of Arts in Computer Science - Expected Spring 2022 - GPA: 3.851
Honors: Daedalus Computer Science Scholarship, Dean's List
Relevant Coursework: Data Structure, Discrete Math, Computer Architecture, Calculus I, Calculus II

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

PROJECTS

Flamingo
Live: http://pinkflamingo.herokuapp.com/ | Github: https://github.com/willorwgl/Flamingo
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: http://luwilliam.me/uninfo/ | Github: https://github.com/willorwgl/uninfo
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

Animan - *Working in progress*
Github: https://github.com/willorwgl/react-native-animan
A mobile application for anime lovers. Build with the Jikan API, Javascript, and React Native.

ExploreNews
Github: https://github.com/willorwgl/ExploreNews
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