

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, Redux, jQuery, Ruby, Ruby on Rails, SQL, HTML5, CSS3, 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`

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

Animan - Working in progress

Github: <https://github.com/willorwgl/animan>

A web application for anime lovers. Build with the Jikan API, Javascript, and React.js.

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