

BRENDAN LAU

Software Engineer

(718) 510-2213

blau4000@gmail.com

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

React, Redux, Python, Flask, Javascript, Express, HTML, CSS, PostgreSQL, SQL, Node.js, MongoDB, noSQL

PROJECTS

The Great Exchange(in progress) (PostgreSQL, Express, ReactJS, Node.js)

[live](#) | [github](#)

A marketplace for users to communicate and trade items for other items by creating listings, making offers, and displaying intention.

- Implemented secure user authentication using bcrypt for password hashing and JSON Web Tokens (JWT) for maintaining persistent login sessions.
- Designed and implemented a responsive web application to ensure cross-device compatibility and seamless functionality.
- Utilized multifunctional tables to reduce the number of individual tables, streamline data management, and improve database efficiency.

HireMePls (in progress) (MongoDB, Express, ReactJS, Node.js)

[live](#) | [github](#)

An app designed for job seekers to post their answers to interview questions and receive feedback.

- Developed a system that achieved O1 time complexity for tracking likes/dislikes and incrementing views per click on each post, enabling accurate display of post popularity.
- Migrated application to latest version of Redux framework through comprehensive study of redux documentation.
- Designed and implemented modal components for displaying dynamic content and enhancing user experience.

Nineman Social (Flask, ReactJS)

[live](#) | [github](#)

An app for the Nine-Man Volleyball community to gather in one centralized location, communicate, and interact with one another.

- Created wireframe for a custom volleyball website using Figma, and built the foundation using HTML and CSS.
- Integrated Amazon Web Services (AWS) Simple Storage Service (S3) to allow users to upload and display images as their team backgrounds and icons within the app.
- Customized Discord's styling template to align with the theme of a volleyball-themed app.

WeCord (Flask, ReactJS)

[live](#) | [github](#)

A discord clone that focuses on discoverability and allows users to self-enroll into a chosen server.

- Adhered to scrum methodology to divide tasks and deliver a full-stack app with over 20 features within a one week sprint.
- Incorporated web sockets to implement a live-chat service to allow users to message each other in real-time.
- Worked on a team of four engineers to develop the application from scratch, successfully debugging and refactoring code in order to make future changes much easier to implement.

TeamUps (Express, ReactJS)

An app for users to find interest from peers to join them on events.

- Designed an algorithm for a search feature to filter out events or users based on the value typed into a search bar, displaying only the filtered events on the page in real time as the user inputs more values.
- Automatically filtered out past events and allowed the option to display the past events.

EXPERIENCE

Loan Servicer

Community Federal Savings Bank

Aug 2021 - Mar 2022

- Processed over 100 loan payments daily while ensuring 100% accuracy with data entry into the bank's proprietary software.

EDUCATION

App Academy - Full-Stack Web development course

Graduated Summer 2022

Hunter College - BA in Psychology

Graduated Spring 2020