

# BRENDAN LAU

## Software Engineer

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

## SKILLS

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

## PROJECTS

**HireMePls** (MongoDB, Express, ReactJS, Node.js)

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

*An app designed for those on the job search to post their answers to interview questions and receive feedback from peers.*

- Implemented user authentication using bcrypt and jwt, and enabled persistent session login.
- Pair programmed to solve issues with updated redux store and general code review.
- Updated code to improve performance from a time complexity of  $n^2$  to  $n$  by assigning values to the redux store using an object rather than an array.

**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.*

- Designed the wireframe for a unique volleyball themed website, utilizing Figma, HTML and CSS to form the foundation.
- Integrated AWS S3 for users to upload images to the app to display as their team background and icon.
- Redesigned Discords styling template to fit the volleyball theme of the 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)

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

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

- Allowed users to add photos to their event postings and increase clarity through visuals for other users using AWS S3.
- 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.
- Trained 5 new hires to perform their duties with a higher performance than the existing employees.

### Field Trainee for Project Management

PaintWorks

Sep 2020 - Mar 2021

- Estimated budget and costs for projects using floor plans to calculate surface area for painting and tasks requested.
- Prepared work spaces by incorporating protective measures against work-related accidents.
- Delegated tasks for co-workers to do in order to maximize efficiency and productivity.

## EDUCATION

App Academy - Full-Stack Web development course

Graduated Summer 2022

Hunter College - BA in Psychology

Graduated Spring 2020