Benjamin Lau
Software Engineer
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[Portfolio](#)   [LinkedIn](#)   [Github](#)

Skills
JavaScript, React.js, Redux.js, Express, Sequelize, Python, Flask, HTML5, CSS3, Git, PostgreSQL, AWS (Amazon Web Services)

Projects

Discord Bot (Python, Discord.py)   [Github](#)
- Created a Discord bot using Python. This bot mimics gambling tasks using a currency system that users can earn by interacting with others in the server

Crafty (Python, Flask, React / Redux, HTML, CSS, PostgreSQL)   [Live Site](#) | [Github](#)
Crafty is a web application inspired by Etsy. Crafty is a MineCraft themed application that lets you buy and sell merchandise.
- Combining React and CSS, Crafty was able to create a highly fluid and responsive web application that ensures seamless utilization of the store with zero lag time
- Developed a RESTful API that facilitates seamless communication between the Crafty frontend (built with React) and backend (powered by Flask), resulting in a highly stable and responsive web application
- Streamlined user experience when managing form data, allowing users to optionally submit edits
- Leveraging the power of Redux, Crafty's React components are able to efficiently manage and optimize the flow of information, resulting in a high-performance web application

Halp *Team Lead* (Python, Flask, React / Redux, HTML, CSS, PostgreSQL)   [Live Site](#) | [Github](#)
Halp is a web application inspired by Yelp. On Halp, you can list businesses, create reviews, and even create your own category!
- Leading the team, I effectively delegated tasks to my team members, maintaining a high level of organization throughout the project. Using Git workflow, my teammates and I were able to synchronize our pushes and prevent merge conflicts, ensuring that our code remained stable and reliable.
- Engineered a powerful search functionality that is designed to pull results from backend interfacing with PostgreSQL database, enabling users to quickly and easily filter businesses and reviews by keyword, enhancing the overall user experience
- Created full CRUD functionality for businesses and reviews enables users to create, read, update, and delete listings and reviews, etc. This feature allows users to review any business they have visited and edit any reviews they have previously posted, giving them complete control over their user-generated content and helping to ensure the accuracy and usefulness of reviews

BenBnB (Express, Sequelize, React / Redux, HTML, CSS, PostgreSQL)   [Live Site](#) | [Github](#)
BenBnB is an AirBnB clone. In BenBnB, you can host a spot and give it a review based on your experience. Users can also create a booking for a spot when logged in.
- Created a booking system where users can select dates from a calendar to confirm their stay.
- Implemented AWS S3 bucket for spots, providing users with the ability to upload photos and showcase their spot, enhancing the overall appeal and visibility of their listings. This feature enables users to easily add and manage photos, taking advantage of S3 to ensure scalability and security of image hosting

Experience

Jones Lang LaSalle   Feb 2021 - Mar 2022
Senior Operating Engineer
- Collaborated with teammates to maintain machinery needed to ensure an optimal working environment for the client
- Lead a team to complete projects based on clients' specifications using a work order system (Corrigo) to track progress on maintenance, repairs, and installations
- Thoroughly analyzed the scope of work to plan and coordinate repairs and/or installations
- Maintained client relations through effective communication and boosted client satisfaction
- Oversee the efficient use of production project budgets ranging from $2,000 - $25,000

Education

App Academy   Mar 2022 - Nov 2022
Immersive software development course with focus on full stack web development.

The Turner School   Sep 2019 - Sep 2020
Refrigeration Machine Operator (Q-01) License Program

Kingsborough Community College   Sep 2012 - Jun 2015
Pursued degrees in Culinary Arts and Mental Health Counseling