

CHRISTOPHER HONG

Software Engineer

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[LinkedIn](#)

[Github](#)

[Portfolio](#)

Chino Hills, CA

SKILLS:

Languages: JavaScript, Python

Technologies: React, Redux, Flask, Node.js, Sequelize, SQLAlchemy, PostgreSQL, Docker, Git, AWS

PROJECTS:

QuicksPick

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

Instagram Clone that utilizes AWS S3 buckets to store uploads and smooth interactive functionality

- Implemented **Flask-SQLAlchemy database models** and queries in order to establish relationships between data and tables, extinguished repetitive database queries, and retrieved data in an efficient, timely manner.
- Enhanced file uploads in **Flask back-end** using **cloud storage** via **AWS S3 buckets**.
- Incorporated **SQLAlchemy joint datatables** for **likes** and **followers** in order for users to seamlessly like a picture, and comment, and follow another user.

Sea

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

Robin Hood Clone uses a news API, creates stock data, and displays data using recharts

- Received **real-time data** from an **API library**, **Finnhub**, that displays general and company related news.
- Incorporated an algorithm in **Flask** that models stock prices and **RESTful API** calls by eagerly loading the data for optimized performance, scalability, and maintainability.
- Integrated watchlists in the **back-end** by creating a **joint table** between users and watchlists in order to allow **all users** to freely interact with stocks by displaying it on their portfolio.
- Resulted in collaborating with software engineers via **Git version control**, **kanban board**, and produced a **minimum viable product** within a week timespan.

Squeals

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

Yelp Clone that displays businesses and a user is able to create businesses, reviews, and reactions

- Built **Express server routes** with **Sequelize**, to implement full **CRUD functionality** for users to build their own businesses and create reviews.
- Accelerated **Sequelize queries**, by **O(1) time complexity**, for **reactions** to efficiently update the user's reaction to a review.
- Generated **Front-end reactions** using **React**, **Redux**, and **CSS** to notify if the user has reacted to a review or not.

Experience:

College Director CitizensLA

May 2019 - Jan 2022

- Programmed, outlined, and led weekly events for 70 college students to educate on interpersonal relationships.
- Cultivated an inclusive community that resulted in 20 students to 70 student gatherings in a year.

EDUCATION:

AppAcademy

Feb 2022 - July 2022

- A 1,000 hour Immersive software engineering course that focuses on Javascript, Python with Object-Oriented Programming (OOP), Test-Driven Development (TDD), and pair programming.

Pepperdine University

Aug 2013 - April 2017

- Bachelor of Art Psychology