

# CHRISTOPHER HONG

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[LinkedIn](#)

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[Portfolio](#)

Chino Hills, CA

## Software Engineer:

A creative, adaptable and social full stack web developer and interests in acting and martial arts. Highly commended for my ability to rapidly pick up new skills to a high standard. In addition to my technical skills, I bring strong interpersonal skills, and bring in-depth knowledge in planning and implementing new ideas. An imaginative and malleable coder with a strong passion for learning new things and bringing ideas through technology.

## SKILLS:

**Languages:** JavaScript, Python

**Frameworks/Libraries:** React, Redux, Node, Express

**Databases/ORMS:** Postgres, SQL, Flask, SQLAlchemy, Sequelize,

**Misc. Tools:** AWS (S3 Buckets), Docker, Git, HTML, CSS, Heroku, PostBird, Jinja, Pug

## PROJECTS:

**QuicksPic** (JavaScript, React, Redux, Python, Flask, SQLAlchemy, HTML5, CSS, AWS)

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*QuicksPic allows users to follow other users, and like posts/comments with smooth interactive functionality.*

- **Incorporated real-time user interaction** by implementing **Flask-SQLAlchemy** database queries, extinguishing repetitive database queries, and retrieving data in an efficient and timely manner.
- Enhanced file uploading system in **Flask** back-end using cloud storage via **AWS S3 buckets**, which gives users the ability to post unlimited images onto their profile.
- Incorporated **SQLAlchemy** joint datatables to establish an interactive interface that allows users to seamlessly engage in community content in the form of likes, comments, and follows.

**Sea** (JavaScript, React, Redux, Python, Finnhub, Recharts graph and API)

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*Sea uses a news API, creates stock data, and displays data using recharts all in one designated layout.*

- Received real-time data from an **API library, Finnhub**, and displays general and company related news, giving users easy access to relevant information to allow for informed stock purchasing decisions.
- **Generated algorithms** to optimize performance, scalability, and maintainability for stock prices and **RESTful API** calls in order to generate each company's yearly closing market prices in **O(n) time complexity**.
- Succeeded in users to freely interact with companies by adding/deleting a company to a watchlist on the user's portfolio by creating a joint table between the users and watchlists in the **back-end**.
- Collaborated with 3 software engineers to produce a **minimum viable product** within a tight deadline using **Git version control** and a **kanban board**.
- Navigated the challenges of pair programming by adapting to various communication styles and providing help where needed.

**Squeals** (JavaScript, React, Redux, Express, AWS S3, PostgreSQL, Sequelize and SQL)

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

*Squeals displays businesses and a user is able to create businesses, reviews, and reactions.*

- Developed a seamless process for users to upload, delete, and edit business information to build a complete business profile using **Express** server routes with **Sequelize**.
- Accelerated **Sequelize** queries in the back-end, by **O(1) time complexity**, allowing all reactions to business reviews to reflect instantaneously.
- Front-end reactions are generated using **React, Redux**, and **CSS** to provide visual confirmation, notifying a user on their successful reaction.

## EDUCATION:

**AppAcademy**

Feb 2022 - July 2022

- A 1,000 hour, 6 month immersive **software engineering** course that focused on **Object-Oriented Programming (OOP)**, **Test-Driven Development (TDD)**, and pair programming.

**Pepperdine University**, Bachelor of Art Psychology

Aug 2013- April 2017