

# CHRISTOPHER HONG

Software Engineer | [chrispyohong@gmail.com](mailto:chrispyohong@gmail.com) [LinkedIn](#)

## SKILLS:

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JavaScript, Python, React, Redux, Vue.js, Node, Express, PostgreSQL, SQL, Flask, SQLAlchemy, Sequelize, AWS (S3 Buckets), Docker, Git, HTML, CSS, Heroku, PostBird, Jinja, Pug

## Work:

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**Texpress** (Typescript, Vue.js, Yarn, Sequelize, Node.js, PostgreSQL, Github, HTML, CSS) [Site](#)

*A cost-effective global shipping company that provides international logistics solutions for package delivery.*

- Developed and updated APIs to efficiently transfer data, improving user experience and streamlining data processing.
- **Updated database structures**, enabling the creation of a new data column that improved data analysis capabilities.

## EXPERIENCE:

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**QuicksPic** (JavaScript, React, Redux, Python, Flask, SQLAlchemy, PostgreSQL, HTML, CSS, AWS S3 Buckets) [GitHub](#) | [Site](#)

*Social media platform that allows public users to follow others, to upload pictures, and to like posts/comments.*

- Designed and implemented product's newsfeed customized for each user with **real-time updates**.
- **Enhanced file uploading system** in Flask back-end using cloud storage via **AWS S3 buckets**.
- Architected the data model using PostgreSQL to efficiently store and query data while **maintaining data security**.
- Developed profile search to lookup users and **increase the performance search time** for a user's profile.
- Implemented intuitive UX with modular UI components and enabled inline editing features for comments.

**Sea** (JavaScript, React, Redux, Python, Finnhub, Recharts graph, Docker, PostgreSQL, Git Version Control and API) [GitHub](#) | [Site](#)

*Fintech investing app that enables users to trade stocks, to receive stock-related news, and to display their profit on the dashboard.*

- Received real-time data from an API library, Finnhub, using a fetch API that displays company related news, giving users easy access to relevant information to allow for informed stock purchasing decisions.
- **Collaborated and developed** with three software engineers by using Git Version Control and agile methodologies such as Scrum.
- 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**.
- **Created the database model** that allowed users to add, delete and update a company to their watchlists.
- Formulated an algorithm for the transactions feature that uses list comprehensions to filter between sold and bought transactions that displays the user's net profit in their portfolio.
- **Reduced the transactions algorithm to O(n) time complexity** by using list comprehensions to filter between sold and bought transactions that displays the user's net profit in their portfolio.

**Squeals** (JavaScript, React, Redux, Express, AWS S3 Buckets, PostgreSQL, and Sequelize) [GitHub](#) | [Site](#)

*Location based web application that allows users to review and publish their businesses, and to add reactions on reviews.*

- Built a seamless UX design that allows users to interact with a review by adding/deleting a reaction, to provide visual confirmation by changing the CSS properties.
- Developed a smooth process for users to upload, delete, and edit their business using Express server routes with Sequelize.
- Incorporated **O(1) time complexity** in Sequelize queries in order to create or destroy a reaction and have it **instantaneously showcase on the front-end**.

## EDUCATION & ADDITIONAL PROFESSIONAL EXPERIENCE:

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**AppAcademy**

Feb 2022 - July 2022

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

**College Director** (CitizensLA)

May 2019 - Jan 2022

**Youth Director** (Sovereign Grace)

May 2017- May 2019

**Pepperdine University**

Aug 2013 - April 2017

- Bachelor of Arts, Psychology