

CHRISTOPHER HONG

Full Stack Engineer

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SKILLS:

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

PROJECTS:

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

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

- Instituted and built the whole application from zero to production with **JavaScript, React, Redux, Python, Flask, SQLAlchemy, HTML, CSS, AWS S3 Buckets, and Heroku.**
- 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** joins datatables to normalize data that allows users to seamlessly engage in community content in the form of likes, comments, and follows.
- Created the newsfeed feature that allows the user to follow other users and have the user's news feed automatically update when following and unfollowing a user.
- Implemented an intuitive **UX** by integrating **inline editing** for comments and photo captions with ternary operators in **JSX** and **Babel**.
- Developed the search bar feature that displays accurate search results with the users' profile picture and their username.

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

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

- Designed the portfolio feature from the ground up on a team with three other software developers with **JavaScript, React, Redux, Python, Finnhub, Recharts graph, Docker, Git Version Control, and Heroku.**
- 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.
- **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 allows users to purchase and sell their stocks that accurately displays on the user's portfolio.

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

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

- Created a seamless full stack application and worked across the entire development life cycle with **JavaScript, React, Redux, Express, Node.js, AWS S3 Buckets, PostgreSQL, Sequelize, and Heroku.**
- Built a seamless **UX** design that allows users to interact with a review by adding/deleting a reaction, using **React, Redux, and CSS** to provide visual confirmation.
- Constructed an algorithm that calculates each business's rating and displays the correct number of stars for each business.
- 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, if a user has created/deleted their reaction to a review.

EDUCATION:

AppAcademy Feb 2022 - July 2022

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

Pepperdine University Aug 2013- April 2017

- Bachelor of Art Psychology