CHRISTOPHER HONG

Software Engineer

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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:

QuicksPick   live | github

QuicksPic allows users to follow other users, and like posts/comments with smooth interactive functionality.
- **Implemented real-time user interaction** by implementing **Flask-SQAlchemy** 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   live | github

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**, which we then programmed to display general and company related news, giving users easy access to relevant information to allow for informed stock purchasing decisions.
- **Generated an algorithm** to optimize performance, scalability, and maintainability for stock prices and **RESTful API** calls.
- Integrated watchlists in the back-end by creating a joint table between users and watchlists, so all users can freely interact with stocks by displaying them on their personal portfolio.
- Collaborated with fellow software engineers to produce a **minimum viable product** within a week using **Git version control** and a **kanban board**. Navigated the challenges of team programming by adapting to various communication styles, and actively seeking and providing help where needed.

Squeals   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 to the Squeals website. Front-end reactions are then 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) languages such as **JavaScript** and **Python**, **Test-Driven Development (TDD)**, and pair programming.

Pepperdine University   *Aug 2013- April 2017*
- *Bachelor of Art Psychology*