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 within QuicksPic allowing 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*