

Justin T. Hang

(626) 872-7201 [Portfolio](#) [Github](#) [LinkedIn](#) HangJustinT@gmail.com

SKILLS

JavaScript, Python, React, Redux, Flask, SQLAlchemy, Express, Sequelize, PostgreSQL, SQLite3, HTML5, CSS3, Git, Heroku, Docker

EDUCATION

App Academy

Curriculum of Study in Full Stack Web Development (Javascript and Python)

Online

May – November 2022

University of California, Santa Barbara

Bachelor of Science in Electrical Engineering

Santa Barbara, California

Class of 2016

PROJECTS

Yuanhood (JavaScript, Python, Flask, SQLAlchemy, PostgreSQL, HTML5, CSS3)

[Yuanhood](#) | [GitHub](#)

A fullstack Robinhood clone where users can watch and trade cryptocurrencies based on real prices

- Leveraged a third-party API wrapper to fetch real cryptocurrencies' price history and utilized react-chart-js2 to display a line graph and multiple sparklines concurrently and applied logic to dynamically change its visualization based on the price's change over time to provide an intuitive UI
- Incorporated React's state management system to handle dynamic transactions based on the transaction type, user's form of tender, and implemented dynamic order limit validations based on the cryptocurrency's unit cost and the user's buying power
- Implemented multiple front-end and back-end layers of validations and checks to ensure erroneous transactions do not successfully post

Discordia (Websockets, JavaScript, Python, Flask, SQLAlchemy, PostgreSQL, HTML5, CSS3)

[Discordia](#) | [GitHub](#)

A fullstack Discord clone web app where users can chat with each other in real time (group project)

- Led database schema design and redux store shape design to establish best practices to ensure a scalable and smoothly operating application for a high amount of traffic
- Utilized websockets to provide real-time chat functionality for users sending messages across channels to a group of users and direct messages to each other
- Built an intuitive UI to keep users engaged by manipulating the DOM to display the latest messages sent and built responsive navigation effects using CSS3 in conjunction with react-router hooks to prevent users from getting lost

SonusNimbus (JavaScript, Express, Sequelize, React, Redux, HTML5, CSS3, Webpack, PostgreSQL)

[SonusNimbus](#) | [GitHub](#)

A fullstack SoundCloud clone web app where users can post and listen to songs and interact with each other

- Created a top level music player and utilized redux to maintain a single state across the web app by leveraging custom event listeners to handle state changes providing a seamless audio streaming experience during navigation
- Decreased lag time during navigation by opting for an initial data load upon site visit to provide an improved user experience for both guests and registered users upon visit and as they navigate through the application
- Utilized Redux's unidirectional state management system to create and maintain a session history of the last played songs without the need of any cookies or local/session storage

EXPERIENCE

L3Harris Interstate Electronics

Anaheim, California

Control Account Manager/Project Engineer

April 2019 – May 2020

- Led and oversaw financial and technical aspects for an antenna upgrade project for a Department of Defense contract
- Coordinated tasks and deadlines among a cross-departmental team
- Created a tracking tool used to manage cost and hours for all cost plus fixed fee, level of effort contracts