Alvin Huang

San Francisco Bay Area   huang.alvin.01@gmail.com   Portfolio   LinkedIn   Github

SKILLS

JavaScript | Python | React | React-Redux | Flask | Express.js | Sequelize | Node.js | Docker | SQLAlchemy
PostgreSQL | SQL | Alembic | TDD | HTML5 | CSS3 | Jinja | Pug.js | AWS

PROJECTS

Audio-Shrub | *(React/Redux, Flask SQLAlchemy, Alembic, AWS, Heroku)*   **live** | **github**
Bandcamp based Music web app where users can stream and upload music
- Engineered web audio player allowing users to seamlessly play and switch between audio tracks using React, HTML5, and CSS
- Incorporated custom Flask validators and back-end Auth Routes to prevent bad data and unauthorized users from uploading to the S3 bucket.
- Protected user credentials by implementing BCrypt to safely store user credentials in the database.
- Created backend database schema to manage relationships between users, music posts, and categories

Catflix | *(React/Redux, Flask SQLAlchemy, Alembic, AWS, Heroku)*   **live** | **github**
Cat themed, Netflix inspired, single page application where users can stream cat movies
- Developed the video player and video cover features using React to switch between the components & JavaScript promises to fetch and store data asynchronously
- Incorporated RESTful API for organized HTTP requests for the retrieval and manipulation of movie data respective to the current session user
- Spearheaded the design of SQLAlchemy database schema, focusing on making clear and easily manageable relationships between tables

FoodReads | *(Pug, PostgreSQL, Express.js, Sequelize, Heroku)*   **live** | **github**
A GoodReads clone where users can discover new cookbooks
- Used AJAX to make reactive changes to the webpage on user input and to save the changes to PostgreSQL database
- Engineered user authentication by matching the user's session cookie with session data stored on Express server allowing users to stay signed in even when the browser is closed
- Designed page layouts and wireframes & used Pug.js to render web pages based on user information

EXPERIENCE

Lead Teacher
AEC Afterschool   Oct 2016 - Jan 2021
- Managed and trained newer teachers to become comfortable in using AEC's teaching method which is an amalgamation of visual, aural, and experimental teaching styles
- Coordinated teachers and students to adhere to the planned schedule leading to homework and supplemental assignments being completed on time
- Managed large class sizes of 50+ by pairing teachers to the group of students that they work best with

Piano Teacher
Freelance   Jan 2014 - Mar 2020
- Formulated lesson plans customized to each student to suit their needs balancing between different genres to round out students' understanding of harmony, melody, and rhythm

EDUCATION

AppAcademy - Full Stack Software Engineering, Spring 2021
- 1000-hour immersive full-stack web development intensive with a <3% acceptance rate

San Jose State University - *B.Sc. in Global Operations Management, 2018 - 2020 cum laude*