Catherine Lee

(979) 446-3164 | Email | GitHub | LinkedIn | Portfolio

Skills

React, Redux, JavaScript, Node.js, Express.js, HTML5, CSS3, SQL, PostgreSQL, Python, Flask, Git, Docker, Heroku

Projects

Ka-feen, *A platform to show support for your favorite independent creators inspired by Ko-fi*   Demo | Repo
Built with React.js, Python, Flask, SQLAlchemy, Docker, & hosted on Heroku

- ❖ Established customizable user pages allowing users to change displayed user information such as pictures, tags, username, and create posts including image and text by making calls to REST APIs
- ❖ Tracked individual sessions using JWTs in users' local storage and checked against the database
- ❖ Structured database models using PostgreSQL and SQLAlrkzeug's security utilities password hashing
- ❖ Integrated AWS S3 for image hosting through a Flask/SQLAlchemy with relationships to allow for smooth CRUD operations, ensured user data is written securely with WePython backend and the AWS SDK for Python boto3

Shinyday, *Discover your next favorite independent music artist, inspired by Bandcamp*   Demo | Repo
Built with ReactJS, Node, Express.js, Sequelize, AWS S3, & hosted on Heroku.

- ❖ Designed a global search bar with a call to the backend REST API and an npm package, match-sorter, to create a deterministic way to quickly navigate through the website by album name or artist name
- ❖ Customized functional React components extensively using HTML and CSS as well as React Context to manage state throughout the application and React Hooks for individual components
- ❖ Implemented file upload to AWS S3 using Multer and Multer S3 for user photos and also song and image files for artists

WOGOS, *Browse and purchase games exclusively on Windows and Steam, inspired by GOG*   Demo | Repo
Built with React, Redux, Python, Flask, SQLAlchemy, React Bootstrap, Docker, & hosted on Heroku.

- ❖ Created custom React components using HTML/CSS and adjusted React Bootstrap's premade components used across the entire purchasing flow for a uniform user interface and user experience
- ❖ Added CSS animation and conditional styling to guide users to checkout
- ❖ Wrote checks against the Redux store and information stored in local storage to provide a seamless cart experience after login that prevents users from buying duplicate items
- ❖ Discussed with teammates during daily stand-ups during a one week sprint and worked with a dedicated advisor to decide on features and scope, stayed in contact through additional correspondence for troubleshooting or debugging

Experience

Natura-Like Dental Laboratory

Primary Outsourcing Team Member, *May 2019 - February 2020*

- ❖ Facilitated daily internal and external reports and correspondence with the company's primary outsourcing partner to ensure running biweekly case deadlines, communication ran from customers, technical teams, internal upper management, and external partners
- ❖ Improved workflow for entering daily casework freeing up to 25% more of the workday spent corresponding with clients and maintaining lines of communication through to technical and managerial staff

Education

App Academy

Full Stack Web Development, *April 2020 - October 2020*

- ❖ 1000+ hour immersive full-stack web development and software engineering bootcamp covering concepts including data structures, algorithms, and test-driven development