

SKILLS

- **Languages:** JavaScript, Python, HTML5, CSS3
- **Software:** React, Redux, Express.js, Node.js, Flask, SQLAlchemy, PostgreSQL, AWS S3, WebSockets, Heroku, Git

PROJECTS

Soundbook | (JavaScript, Python, React, Redux, Flask, AWS, WebSockets, HTML5, CSS3)

[Live](#) | [Github](#)

- Successfully created a **PostgreSQL** database and utilized **Flask** and **SQLAlchemy** to store all relevant information for users in the database
- Incorporated **AJAX** to make **API** calls to the backend server so that the content on the frontend re-renders dynamically to improve **UI** by eliminating the need for page reloads on every change
- Hashed passwords prior to database storage and authorized users to access protected routes and make **API** calls after verifying user credentials
- Integrated **AWS S3** storage to allow users to upload photos directly from their local machine instead of requiring the user to enter the raw HTML addresses for each photo to convenience and to improve **UX**
- Implemented **WebSockets** with the Socket.IO library enabling real-time, bidirectional, and event-based communication between the browser and the server so users will receive live updates from other users

Vybze | (JavaScript, Python, React, Redux, Flask, HTML5, CSS3)

[Live](#) | [Github](#)

- Utilized the **Redux** store to save and persist the audio state; allowing the music to continuously play as the user navigated across the different pages and modified the other states in the store
- Implemented a live search bar that allowed users to search for their favorite songs by querying the **PostgreSQL** database on every input change in the search bar
- Oversaw a team of 4 and successfully implemented the social aspect by utilizing **Flask** and **SQLAlchemy** on the backend and **Social Routes** on the frontend to display the web of user connections

Photo Finder | (JavaScript, Express, React, Redux, HTML5, CSS3)

[Live](#) | [Github](#)

- Integrated **React** and **Redux** to store user state to improve **UI** by allowing for smooth transitions and quick load when users navigate through the site
- Improved **UX** by creating a custom sort function that sorted user bookings chronologically
- Utilized **JSON Web Tokens** and **CSRF** protection to authenticate users on login and to protect form submissions from CSRF attacks

EXPERIENCE

Associate Financial Auditor | Cooperative Strategies, Irvine, CA

Jun 2018 - Jan 2020

- Constructed payment models and projected future payments in Excel based on records from the county auditor-controller to help schools set their budget for the following year
- Conducted financial audits for 15 school districts to ensure that the schools are receiving their fair share of the county's property tax revenue

Project Coordinator | Quest Software (Insight Global), Aliso Viejo, CA

Apr 2017 - Sep 2017

- Updated, maintained, and analyzed data between multiple databases to discover any inconsistencies and to maintain the integrity of the data
- Acted as a liaison between the sales and software team to guarantee smooth and seamless transactions

Data Analyst | HAP Financial Services, Irvine, CA

Aug 2015 - Apr 2017

- Developed mathematical models with C++ to assess risks on loans based on set guidelines to help facilitate the approval process for each loan
- Managed and verified data within the SQL and Excel databases to assist with the annual budget and quarterly forecasts

EDUCATION

App Academy - Rigorous 1000-hour full-stack web development course with < 3% acceptance rate, 2022

University of California, Davis - BS Mathematical and Scientific Computation, 2010-2014