

# ZANE PREUDHOMME

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## Profile

Software developer with a passion for learning new technologies and coming up with solutions to challenging problems. Possesses a strong ability to work in a collaborative environment and is always looking to learn new technologies. Looking for a junior software development position that both challenges and continues to develop existing skills.

## SKILLS

React.js, JavaScript, Redux, SQL, SQLAlchemy, Git, Python, Flask, HTML5, CSS3, Docker, Express, Web Sockets

## PROJECTS

### Hike More

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

*An AllTrails inspired trail database powered by React.js, Python, and Google Maps API*

- Integrated a Flask database powered by SQLAlchemy to support querying of hikes and return the results to the client through a RESTful API for rendering via React.
- Used React to build a responsive frontend that displayed changes such as favoriting a hike on the web page without a full page reload.
- Created a map of hikes in the database using the Google Maps API to provide the user an interactive way of seeing where the hikes were in relation to their current position.

### Woof Woof

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

*A live chat app modeled off of Slack with a Python backend supporting a React frontend with Web Sockets*

- Modeled a responsive user interface and splash page that closely mirrors Slack's web based version application using a combination of React, CSS, and inspecting the dimensions of elements on Slack's web page.
- Utilized Flask Socket IO to maintain a websocket connection between the database and the user interface to provide real time communication between two logged in users on the application.
- Developed a Redux store that managed the messages within different channels or direct messages that could support notifications as well as ensure that messages are only loaded when the user needs to view them .

### MellowCloud

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

*A SoundCloud clone with a more relaxing theme built using React, Express, and HTML Audio Elements*

- Constructed an audio player element in React using HTML Audio Elements that would accept a user selected playlist and supported continuous play across webpages, tracking through the song, skipping, and going back a song.
- Implemented cloud based web storage to store large mp3 files to be retrieved and utilized by the application.
- Created a robust API to serve the music from the backend to the frontend, as well as group similar music together to provide the user with recommended music that would be similar to what they were listening to.

## ADDITIONAL EXPERIENCE

### Shift Supervisor / Barista - Starbucks

June 2017 - Dec 2020

- Awarded Partner of the Quarter during the first year on the job for ability to work quickly and effectively within a team environment while bringing a positive attitude.
- Promoted to shift supervisor one year into the job and was able to lead a team at a new store location to 5% total growth over first year as a supervisor.
- Helped lead my shift team when opening back after COVID to maintain a clean and safe work environment while working towards supporting the rapid rise in business.

## EDUCATION

**App Academy** - Software development bootcamp course with focus on full stack web development - 2021

**University of Arizona** - Optical Engineering - 2015-2017