

**SKILLS:** React, Node.js, Docker, Redux, Python, Flask, JavaScript, SQL, Postgres, Matlab, Canvas

## PROJECTS:

**Outergram** Python, Flask, ReactJS, SQLAlchemy

[live](#) | [github](#)

Clone of instagram.

- Enabled hashtag creation and deletion by setting up thunk actions during the creation or update of user posts.
- Incorporated Binary First Search that gives second and third degree follow suggestions using sets for visited nodes and a queue for checking path length.
- Created two search features that allowed users to either navigate to user profiles or create a direct message channel with other users.
- Incorporated drag and drop image files using React's built-in image uploading.

**NapCamp** Nodejs, ReactJS, Express, postgresql, Google Maps API

[live](#) | [github](#)

Napcamp is my fun take on the popular website Hipcamp.

- Incorporated Google Maps Javascript API with Google's Geolocation API for booking locations.
- Integrated reviews, bookings and location using Redux state and postgresql queries.
- Enabled recommended listings based on proximity of current location using Haversine Formula.

**After Hours** Python, Flask, Flask Socket IO, SQLAlchemy, ReactJS

[live](#) | [github](#)

After Hours is a clone of the chat and messenger app, Discord.

- Enabled live chat using Flask Socket IO that allows users to receive messages without having to reload their browser.
- Integrated server, channel, and message using React slices of states and backend relational queries.
- Incorporated sorting functions to enable a wide range of search bar filtering when user's explore servers to join.

## EXPERIENCE:

**Studio Musician and Audio Engineer**

Independent Contractor

Jan 2010 - Sep 2016

- Performing guitarist in studios and venues across California.
- Produced 6 EP's and multiple single releases for Bay Area and LA artists.
- Collaborated with bands, producers and artists to achieve desired sounds.

## EDUCATION:

**University of Davis, California** - BS Analytical Chemistry,

Sept 2016 - June 2020

- Experience using Python and Matlab in an analytical and scientific framework.
- Maintained and operated a university laboratory for two years. During this time I produced and tested standards for upper division experiments and aided graduate and undergraduate students in troubleshooting logistics with the instruments in the laboratory.

**AppAcademy**

June 2021 - Dec 2021

- A fully immersive 24-week, 1500+ hour coding school. Teaches full-stack web development as best practices and work models such as Object-Oriented Programming, scalability, DS&A, algorithms, DRY, time and space complexities.