

CINDY KUO

(650) 302-0386

ckuo15@gmail.com

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS React, Redux, Ruby, Rails, Javascript, HTML5, CSS3, Express, NodeJS, MongoDB, GraphQL, Amazon Web Services, Apollo, Github, Heroku, Docker, postgresSQL

PROJECTS

LIFESHARE (Rails, ReactJS)

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

An Instagram clone that allows users to upload images to share their life.

- Constructed a user-friendly feed page using Ruby on Rails backend in conjunction with a JavaScript frontend that combines and reuses multiple components to enhance efficiency.
- Created custom multilayered-modal using React on the front end to improve UI experience and allow users to display a single post, edit caption, or delete a post.
- Showcased Amazon Web Services (S3) for image upload and storage through Active Storage to allow profile customization.
- Incorporated dynamic animation through CSS3 opacity on the splash page that displays the content of the application, switching between the profile page and feed.

WHOOPEE (JavaScript, ReactJS, MongoDB, Express, NodeJS)

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

A Yelp clone that displays various businesses in San Francisco that can be filtered through their business category.

- Developed review system that allows fetching of user data and creating reviews for a specific business.
- Formulated dynamic search feature that accounts for keywords other than a specific business name to increase flexibility.
- Implemented Google Maps API through documentation to display businesses in the San Francisco area.

DOTIFY (JavaScript, ReactJS, GraphQL)

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

A Spotify clone that allows users to play music of their choosing and create a playlist with their favorite songs.

- Established custom user authentication using bcrypt in conjunction with jwt (JSON Web Tokens) and a custom age verification function to ensure the user meets the age criteria.
- Built a custom audio player using HTML5 audio that contains sub features such as repeating a song, an album, volume control, etc.
- Designed a dynamic album show page using React that updates the current album with corresponding songs within it.
- Launched search feature that fetches information in the database through GraphQL queries, which allows users to search for information more efficiently.
- Utilized Apollo Client cache and local storage on the frontend to store album and artist data that are accessible to all components.

Jogger (JavaScript)

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

A Frogger-like game that used JavaScript to navigate the main character and dodge enemies.

- Implemented sprites to improve visual appearance and user experience as a player.
- Incorporated key event listeners and conditional frame logic to animate sprite movement.
- Utilized vector logic and coordinate geometry to construct collision logic when touching enemies.

RELEVANT COURSEWORK

- **CS 4 Computer Science Bootcamp at UCSB**
 - Data representation, number and character representation, iteration, recursion, image and sound representation, cryptography
- **CS 8 Introduction to Computer Science at UCSB**
 - Intro to Python
 - Conditional statements, loops, strings, lists, dictionaries

EXPERIENCE

UCSB Violence Intervention and Prevention Intern

University of California, Santa Barbara

2018

- Collaborated and created a campaign that raised awareness about interpersonal violence that reached over 10,000 students at UCSB.

Molecular, Cellular, and Developmental Biology Research Lab Assistant

University of California, Santa Barbara

2017-2018

- Performed SDS-PAGE gel casting that used glass/metal plate, space, and comb to create Wester Blot gel for gel loading.
- Executed gel loading using pipetting technique and electrophoresis to run 5-6 protein samples at a time.
- Operated Western protein transfer using Immobilon-FL PVDF membrane, OWL electroblotting machine to transfer protein samples onto the membrane for analysis.

EDUCATION

Web Development - App Academy | 2019-2020

Bachelors of Science, Psychological and Brain Sciences - University of California, Santa Barbara | 2015 - 2019