SAI BYRI

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SKILLS Python | Javascript | React / Redux | Flask | Express | Node.js | SQLAlchemy | PostgreSQL | Sequelize | Git | HTML5 | CSS3 | Docker | Pair Programming | Object Oriented Programming | REST APIs

EDUCATION

App Academy San Francisco, CA October 2021 - April 2022

- Rigorous 1000-hour+ coding school with less than 3% admittance rate that enhances full stack development using Python, Javascript, React, SQL
- Topics: OOP, TDD, algorithms,, REST, web development design, database design

San Jose State University San Jose, CA August 2017 - May 2021

- Graduated Summa Cum Laude (Highest Honors, GPA: 3.95/4.00) in B.S. Biological Sciences, Systems Physiology

AWARDS

- Honors - President's Scholar – earned 4.0 GPA (top 3.5% of all students) for academic year 2018, 2019, 2020, 2021
- SJSU Undergraduate Research Grant – 1 of 100 undergraduates selected 2019
- President of the Year Award – 1 of 2 selected out of 400 student organization leaders 2020

PROJECTS

Moodify (Python, Javascript, Flask, SQLALchemy, React, Redux HTML5, AWS and CSS3) Live Site | Github

A fullstack Spotify clone where users can select a mood, play songs, search for songs and create playlists to add songs.

- Created a custom audio player integrated with **Redux store** which allows users to scroll through a song and listen seamlessly throughout the site.
- Utilized **SQLAlchemy** to create a search algorithm where users can add to playlists, see songs in albums and music by artist.
- Applied **AWS buckets** to store and access music files throughout the site which allows a reliably fast selection of a variety of music.

Auto Barn (Python, Javascript, Flask, SQLALchemy, React, Redux HTML5 and CSS3) Live Site | Github

A fullstack Autotrader-like clone where users can sell a car, try a car they want to purchase for 5 days.

- Reduced server load through custom single **relational database queries** to extract data from many related tables.
- Created a **custom** date check **algorithm** to restrict overlap of car bookings and throw validation errors for ideal functionality.
- Utilized **one-way data flow** approach combined with centralized state management to create a predictable and performance optimized application without state collisons.

SustainaBnb (Javascript, NodeJs, Express, Sequelize, React, Redux HTML5, GMaps API and CSS3) Live Site | Github

A fullstack AirBnb clone where users can host a property, add photos, and review a property.

- Implemented user authentication and privacy with backend and frontend systems to verify and allow user specific review changes.
- Designed an AirBnb-like multi-step form with accurate validations utilizing **Javascript, React and Redux** global state management to create a seamless UI for hosting properties.
- Integrated Google Maps using **Google API** to create a powerful tool and map browsing for users when looking at all properties.

EXPERIENCE

SJSU: College of Science, ***Peer Tutor Coordinator*** January 2019 - Present

- Managed a team of 10 tutors, interviewed candidates to ensure consistent growth and utilized unique strategies to assist students achieve success in STEM courses while maintaining core interpersonal skills.

Wilkinson Neurophysiology Lab *at* **SJSU,** ***Undergraduate Research Associate*** May 2018 - July 2021

- Assisted in developing an innovative optogenetics technique and reduced the time to analyze data by 50% by identifying an alternative method (Python and Lab Chart template match).

Biology Student Association, *at* **SJSU,** ***President*** August 2019 - May 2021

- Strengthened the organization's network of programs and companies for student growth, increased member involvement by 37%, and expanded the organization by over 50% using various recruitment strategies and programs.

Board of Directors *at* **SJSU Research Foundation,** ***Student Director*** December 2019 - May 2021

- Selected as the sole Student Director to serve on the organization Board for the entire San Jose State University (33,000 students).
- Met with Board Members to manage over $60 million for supporting research throughout the university.