

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Python, C++,HTML5, CSS3, SQL

**Front End:** React / Redux, Threejs, Tailwind, WebSockets

**Back End:** Express Sequelize, PostgreSQL, Flask SQLAlchemy, Alembic, Node.js, MongoDB,

## EDUCATION

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**AppAcademy:** Software Engineering Program

2022 - 2023

**San Francisco State University:** Computer Science

2021 - 2022

**Napa Valley College:** A.S Math, A.S Physics

2017 - 2021

## PROJECTS

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**Raynian:** *Frontend Developer (MongoDB, Express, React, Node.js, Javascript)* | [Github](#)

2023 - 2023

- Engineered and executed the development of 10+ modular in-house components, including timer, alarm, background settings, menus, and modals.

**SeaBnB:** *FullStack Developer (Sequelize, Express, React / Redux, Javascript)* | [Github](#) [Live](#)

2023 - 2023

- Leveraged the **Express.js** framework to facilitate data management and routing for multiple features with full **CRUD** operations.
- Authored a **RESTful API** alongside comprehensive documentation to provide the application with extensive capabilities and enable diverse interactions for all features.
- Upgraded **Express.js** backend models to utilize scopes to adhere to the **DRY** principle and use hooks such as the "beforeDestroy" hook for efficient cleanup amongst related models.

**Accord:** *FullStack Developer (SQLAlchemy, Flask, Flask-Socketio, React / Redux, Javascript, Python)* | [Github](#) [Live](#)

2023 - 2023

- Led the collaborative effort to develop a Discord-inspired application, leveraging **Agile principles** to deliver a user-friendly interface and coherent communication capabilities.
- Designed wireframe mock-ups for all app components using **Figma**; translated designs into a responsive **React** implementation that enhanced team's workflow and reduced development time by 50%.
- Architected a **cohesive relational database** in **Python**, harnessing the capabilities of **SQLAlchemy's** simplified database interactions and enhanced data integrity.
- Devised an effective **Redux** state management system, optimizing data flow by implementing nested state structures to consolidate state updates, enhancing overall performance and consistent data retrieval.
- Introduced **peer-to-peer communication** infrastructure using **FlaskSocketIO's WebSocket** capabilities for back-end communication with the frontend **Socket.IO client**, to allow real-time interactions among users.

**HeartBeats:** *FullStack Developer (Sequelize, Express, React / Redux, Javascript, Spotify API)* | [Github](#) [Live](#)

2023 - 2023

- Implemented **Spotify API** by following the documented **Spotify Authorization Code Flow** to securely manage Spotify account authentication and token generation, ensuring access to Spotify features for both non-Spotify and Spotify accounts.
- Engineered an algorithm with **JavaScript** to evaluate the emotional tone of journal entries based on factors such as word count, punctuation, keyword frequency, and text capitalization with 75% accuracy.
- Crafted a highly efficient database structure, optimizing data accessibility and enabling seamless integration with Redux state management. Revamped relationship management among 8+ models, resulting in simplified access to perform **CRUD** actions by 25%.

## WORK EXPERIENCE

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**In-N-Out:** *Lead Cleanup*

2021- Present

- Optimized daily operational routines to enhance efficiency, aligning with the District and Store Manager's vision.
- Created an onboarding manual for new associates to improve retention rates and performance by 100%.

**Kumon:** *K-12 Lead Primary Instructor*

2022 - 2022

- Facilitated the comprehension of Reading, Writing, and Math assignments for students in grades 2-12.
- Conducted personalized sessions, enhancing students' foundational reading and math skills.

**Dunkin:** *Lead*

2016 - 2020

- Led the training initiatives and coordinated the simultaneous opening of 3 franchise locations.
- Managed inventory, prepared for future shifts, monitored sales performance and tracked discrepancies.