

## 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:** 100-hour immersive Fullstack Software Engineering Program

Oct 2022 - Oct 2023

**San Francisco State University:** Credits towards a bachelor's of Computer Science

2021 - 2022

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

Oct 2017 - Dec 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 with **Sequelize** 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 workflow, reducing 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 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 and created an onboarding manual 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.

**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.