

**SKILLS** JavaScript, React, Redux, SQL, Sequelize, Python, Flask, SQLAlchemy, Docker, Node, Express, HTML, CSS

## PROJECTS

**Code-to-Memory** | *(React/Redux, SQLAlchemy, Python, JavaScript)*

[Live](#) | [Github](#)

A flashcard app with coding topics focus, similar in concept to sites such as Brainscape.

- Developed a mastery system, using weighted scores for user created decks to assist a user's self understanding of topics and overall class mastery.
- Enacted a reactive method of assigning icons relevant to a class depending on the class name and matching object keys, providing an intuitive approach to class creation.
- Created an intuitive user interface (UI) focusing on a one-page application and guided setup upon initial account creation to improve the user experience (UX).

**LegendHood** | *(React/Redux, SQLAlchemy, Python, JavaScript)*

[Live](#) | [Github](#)

A financial stock trading simulator, mimicking the functionality of Robinhood.

- Fetched and displayed data from a third party API for popular, up-to-date asset information.
- Created an asset detail page to simulate the buying and selling of stocks using up to date financial data.
- Integrated a visual chart module to display data over different time periods for specific assets, reacting to user input.
- Recreated a near pixel perfect rendition of one of the most popular and frequently used stock trading applications.

**Street-up** | *(React/Redux, Sequelize, JavaScript)*

[Live](#) | [Github](#)

An urban spin on the community based application Meetup

- Utilized third party API calls to prepopulate form fields, creating a user friendly interface and restricting bad data inputs.
- Initiated user roles, granting administrative permissions to group/event creators for interactivity between user profiles.
- Implemented React-redux to store and interact with persistent slices of state for frontend functionality.

## EXPERIENCE

**Project Engineer** | *New Creation Builders*

May 2021 - Feb 2022

- Managed multiple project scopes in the greater Los Angeles and Orange County areas on new construction projects and renovations of existing buildings ranging from upgrades to the La Brea Tar pits museum to public park restoration.
- Coordinated multiple subcontractors in mechanical, electrical and plumbing trades with overlapping schedules and work areas, ensuring constant progress and minimal schedule clashes.
- Produced documentation to track and resolve issues, providing suggestions to technical problems to principal engineers and tracking technical inspections and changes in scope for up to 5 projects simultaneously, ensuring the timely handover of projects upon completion.

**Project Engineer** | *Ertech*

Aug 2018 - July 2019

- Managed civil construction/earthworks projects at an oil and gas facility, supporting projects worth over AUD\$8m total.

**Site Engineer/QA officer** | *Merit Lining Systems*

June 2017 - July 2018

- Coordinated teams of up to 14 people on lining/earthworks scopes. Revised and updated the project schedule to reflect scope changes, resulting in the on time completion of a tailings dam capping project.
- Maintained accurate records of material usage on lining projects and project progress to ensure timely reporting of issues that may affect the project schedule.
- Supervised a 5 person team, conducting multiple QA testing procedures and conducting repairs in accordance with technical specifications.

## EDUCATION

**AppAcademy** | Full Stack web development (JavaScript, Python)

**University of Western Australia** | MS, Civil Engineering

**University of Western Australia** | BS Engineering Science