

SKILLS JavaScript, Python, Node.js, Sequelize, React, Redux, Flask, SQL, Git, HTML5, CSS3, Docker, Google Maps API

PROJECTS

Golfhub | A **Python** and **Flask** based site for golfers to track their stats over time and find golf courses. [live](#) | [github](#)

- Integrated **Google Maps API** allowing users to view golf course locations in a satellite view.
- Utilized **React** components to create a template for easy score entry, enhancing usability of the application by providing a table of course data from where a user played.
- Incorporated **Redux** store for efficient rendering custom graphs allowing users to track their progress over time.

OpenEats | An **OpenTable** clone utilizing **Node**, **Express**, and **postgreSQL**. [live](#) | [github](#)

- Integrated **React** datepicker library, allowing for reservation functionality so users can select dates from a pop-up calendar and book for any time in the future.
- Devised search functionality, using Regular Expressions to parse data in the **Redux** store, allowing users to search for restaurants based on specified data inputs, such as: name and cuisine type.
- Used a relational database structure to store user's saved and visited restaurants then efficiently populated users' profiles with the data using eager loading queries in **Sequelize**.

ComicCollection | A **Goodreads** based site for comic book fans. [live](#) | [github](#)

- Spearheaded the use of **AJAX** to design **Express** api routes to save comics to users' collections.
- Collaborated with a team to develop a comprehensive **PostgreSQL** Relational Database Schema for users to have full CRUD (create, read, update, delete) functionality with their comics and collections.
- Reinforced development fundamentals by using **pug.js** templating, vanilla **JavaScript**, and raw **CSS3**.

InstaLock | A photo sharing site based on **Instagram** written in **Python**, **Flask-SQLAlchemy**, **React**, **Redux**. [live](#) | [github](#)

- Engineered the use of session cookies allowing users access to their private posts and hide posts from other users.
- Leveraged an npm package allowing for the seamless upload of photographs with drag and drop technology.

EXPERIENCE

Outside Services Lead, Kokopelli Golf Course July 2019 - July 2020

- Lead team of outside service workers to ensure proper maintenance of operation equipment.
- Trained 7 new team members on proper procedures and managing increased seasonal workloads.

Professional Golfer, Self Employed July 2017 - July 2020

- Designed and implemented a personal performance plan to track physical and mental progress.

Design Engineer, SidePlate Systems, Inc. June 2013 - July 2017

- Designed, coordinated, and scheduled over 30 projects from contract to building completion.
- Performed RISA analyses to optimize product performance averaging 10% savings in steel costs to builders.
- Used CAD software to create structural plans for submission to city building authorities throughout the US.
- Coordinated with Engineers of Record to integrate gravity and lateral structural systems.
- Assisted in Excel Visual Basic programming to streamline processes and enhance product performance as a Summer Intern

Student Research Assistant, California Polytechnic State University, SLO Sept 2012 - Dec 2012

- Facilitated ETABS structural analysis modeling of the Pat Brown Building to investigate seismic behavior

Structural Design Intern, Critical Structures, Inc. June 2012 - Sept 2012

- Collaborated with small teams to develop structural designs and improve operational procedures.

EDUCATION

California Polytechnic State University, San Luis Obispo - BS Architectural Engineering, 2014

AppAcademy - A rigorous 1000-hour full-stack web development course that teaches: Python, SQL, JavaScript, React, TDD, algorithms, design patterns, and programming best practices, 2021