KEVIN PITZER

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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 4 person 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
- Led 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 a 4 story building to investigate seismic behavior.

Structural Design Intern, *Critical Structures, Inc.*   June 2012 - Sept 2012
- Collaborated with 3 person 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