Preston Prince

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SKILLS React, Redux, JavaScript, Python, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, HTML, CSS, SQL, Git

PROJECTS

Rocket Pilled (React, Redux, Flask, Python, Flask, SQLAlchemy, HTML5, CSS3)   Live Site | Github
A match-making web application for Rocket League players, built with React, Redux, Flask, Python, HTML5, CSS3.
- Designed the entire web application with **custom CSS** in order to provide a fluid and snappy **user interface**.
- Utilized the unidirectional state management system of **Redux** to provide a single source of truth for **React Components**, allowing for predictable flow of information.
- Combined **React Context** with **session storage** in order to **persist and maintain user data** between reloads.
- Constructed **helper functions** that leveraged principles of **DRY programming,** optimizing overall **speed of production**.
- Applied a data preprocessing procedure called **data normalization** to incoming data from the **backend API** in order to form a more **cohesive data set** for the frontend, resulting in a **reduced time complexity of O(1)** when reading this data.

Hangers Academy (Python, JavaScript, React, Redux, CSS3, Flask, SQLAlchemy, HTML5)   Live Site | Github
A chat-based web application inspired by Discord, built with React, Redux, Python, Flask, HTML5, and CSS3.
- Implemented a **self-referential many-to-many** relationship with the **User database table**, allowing users to create friends.
- Interpreted **SQLAlchemy** documentation to maximize **efficient interaction** efficiency with the database.
- **Structured** frontend **app architecture** using the **React component** system, providing a clear roadmap for team
- Constructed **API documentation** using **RESTful endpoints** in order to form a more **organized and uniform API**, and **providing a blueprint** for team to follow.
- Utilized **SocketIO** to implement **web sockets**, enabling real-time chat communication between users, providing a smooth, seamless chat experience to the users.
- Developed a system for organizing and displaying private and public servers using **React Redux state management** in conjunction with **Flask-SQLAlchemy model declaration.**

BingusBnB (React, Redux, Express, Node, JavaScript, Sequelize, CSS3, HTML5)   Live Site | Github
An AirBnB clone built with React, Redux, Express, HTML, and CSS.
- Connected a **React** frontend to an **Express** backend, applying **Express-Validator** to ensure validation of data.
- Leveraged **conditional rendering** in **React** to dynamically render what the user sees based on the **current state of the app.**
- Created custom modal frameworks using React component architecture to develop new forms efficiently.
- Integrated **Google Maps API with React** to **dynamically generate location** of spots based on user parameters.
- Implemented **CSS Media Queries** across the entire application, ensuring compatibility and responsiveness to devices with a wide range of screen sizes.

EXPERIENCE

Barista / Food Runner / Busser, *La Finca Coffee & Bakery, Frisco, Texas*   November 2021– March 2022
- Delivered food and drink items to 300 customers daily, ensuring 94% customer satisfaction.
- Educated customers daily on coffee origins and processes, forming a strong bond between employee and customer.

Shift Lead, *Pie Five Pizza Co, Allen, Texas*   January 2019– November 2021
Promoted to Shift Lead after 11 months based on superior performance and team communication skills
- Provided high level of customer service when serving 100+ customers daily and resolving complaintsEnsured adequate food prepping and maximum resources for night shift.
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EDUCATION

App Academy, **Online**
Curriculum of Study in Web Development (Javascript and Python)   August 2022 - January 2023
- Robust 1000-hour full stack software engineering course with <5% acceptance rate.
- Course included: Javascript, Data Structures and Algorithms (DS&A), Object Oriented Programming (OOP), Test Driven Development (TDD), Express, Sequelize, React, Redux, Python, Flask, SQLAlchemy, and system architecture.