Zhang Zhang

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SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku

PROJECTS

Hicamp (**Ruby on Rails, React.js, Redux, and PostgreSQL**)   live | github
Single page full-stack clone of HipCamp: AirBnb for camping
- Designed backend booking **CRUD** through custom transactional database operations using **Active Record** and **PostgreSQL**
- Leveraged **Google Maps API** to fetch JSON data from the backend and parsed it onto the UI for confidential manipulation
- Implemented using **React-redux** for interface and state management to list camp spots and booking pages

Basil (**React.js, Redux, Mongoose, Node.js, Express.js, and MongoDB**)   live | github
Single page web app, generating weekly meal plans based on users' health needs or preferences
- Developed a form page to collect information from users, which then outputs a unique meal plan based on dietary needs
- Devised Custom **Throttle** Method in the backend to reduce calls to **Spoonacular API**, increasing speed of calls by over 50%
- Achieved a seamless user interface by leveraging parallax **CSS** animations for login and sign up forms
- Collaborated with teammates to implement complex algorithmic functions that dispatch multiple actions which result in faster call times and a more efficient overall web app

DFO (**JavaScript, HTML, and CSS**)   live | github
Dungeon style 2D shooter Battle Royale game
- Used **JavaScript and HTML5 Canvas** to implement object movement, projectiles, and collision detection for smooth gameplay
- Utilized modular object oriented design principles for sprites that allows the game to be scaled easily if needed
- Implemented a dynamic counter that keeps track of user bullets, incrementing or decrementing them based on current gameplay to add a difficult and dynamic experience while playing

EXPERIENCE

Custom Agent
Pacific Aviation, Los Angeles, CA   July 2019 - March 2020
- Complied with all safety procedures and station policies, achieved 0% incident rate
- Responded promptly to customer inquiries,resulting in > 98% customer satisfaction
- Recommend potential products or services to management by collecting customer information and analyzing customer needs
- Responsible for meeting inbound flights, assisting passengers with connecting flights, checking-in passengers, and boarding outbound flights
- Operated landing bridge to connect arrival plane with 100% success rate

EDUCATION

Web Development - App Academy   July 2020 - Nov 2020
Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding

Cognitive Science Machine Learning Major - University of California, San Diego   Sep 2016 - June 2019
Minored in Computer Science