WILL SMITH

925-808-8556 willhsmith01@gmail.com wsmith.dev LinkedIn Github San Francisco

SKILLS

JavaScript, React, Redux, Ruby / Rails, HTML5, CSS3, Git, PostgreSQL, jQuery, MongoDB, Express, Node, D3

EXPERIENCE

Software Engineer

SportsBot5k   Mar 2020 - Current

- Implemented the automation of validation, association, and collection of live esports data logged into a relational database hosted by AWS through a custom built stream, increasing efficiency of data collection and reducing costly third-party API subscriptions.
- Created ranking algorithm of single teams and upcoming match objects adjusted on a sliding scale through active monitoring of social media followers on Twitch and Twitter APIs allowing for a custom data structure to dynamically generate content to be displayed on the frontend.
- Built and optimized Rails APIs which converted model objects with higher level associations into JSON responses for easy and customizable frontend management. Reduced server load by avoiding N + 1 queries and providing appropriately sized payloads from frontend requests.
- Designed and roadmapped various features with a small team in an agile environment. Assisted with various stages of site deployment including testing and release of UAT server.

PROJECTS

Scarpa   *Ruby on Rails, AWS S3, React / Redux*   live | github

Full stack inspired by Scarpa Climbing

- Implemented custom search feature using high level selector functions to pass query results from redux store to React containers as props without additional queries to the database
- Created custom SQL queries and reduced server load through the utilization of Active Record associations and JBuilder to extract data from multiple tables in a single query
- Connected the Rails back end to AWS S3 for media storage and organization while maintaining content security with AWS IAM

mlbVisual   *Javascript, D3, CSS3*   live | github

Data visualization application for batting statistics in the MLB

- Engineered interactive scatter plot using D3 library to give user the ability to zoom, filter, compare, and select a single player within the display
- Built asynchronous functionality using the D3 library with DOM manipulation to parse, design, and display MLB batting statistics for over 700 players in the 2019 season
- Customized pie chart with appended team logo displaying individual batting statistics upon selecting data point within graph

CampList   *MongoDb, Express, Node, React / Redux*   live | github

Campsite creation site utilizing Google Maps API and user content creation

- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management
- Leveraged Google Maps API with React / Redux lifecycles to create and display user-created campsite locations
- Modeled RESTful architecture using axios to process requests and render comments and voting functions for individual campsites

EDUCATION

AppAcademy - Software development course with focus on full stack web development   Dec 2019

Chico State University - *Bachelor of Science Cell / Molecular Biology*   Dec 2017