Matt Browne

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LinkedIn URL | Github | Blog | Portfolio

FRONT-END/FULL-STACK SOFTWARE ENGINEER

Experienced in Ruby on Rails and JavaScript based programming specializing in React. Possess strong skills in collaboration and project organization. Also spent fifteen years earning a Doctorate in Music Composition, supplementing the above with unique creative thinking skills, soft skills, and proactivity.

TECHNICAL SKILLS

Javascript, React, Redux, Ruby, Rails, Active Record, Active Storage, Postgres, SQL, CSS, Bootstrap

TECHNICAL PROJECTS

Atlas of Curiosities - Github | Demo
Collection of user-added local historical sites incorporating Google Maps API.
● Incorporated Google Maps API to map each location and give real-time distance information to the user.
● Utilized Active Storage to include photos from each user's visit which is stored online via Cloudinary.
● Incorporated the Google Maps Geocoding API to convert addresses into coordinates and vice versa.
● Converted global state variables into a Redux framework to streamline code where state is used..
● Styled the app using Bootstrap for a crisper, more modern look.

Star Trek: The Game - Github | Play
Top-down action game developed entirely using vanilla JavaScript on the HTML Canvas, no external libraries or frameworks.
● Fully mobile solar system, each planet with their own orbit around the sun, some with their own moons orbiting them, each at different speeds, including hundreds of individually moving asteroids.
● Klingon enemies with basic attacking and retreating AI.
● Scanning and tracking for both enemy ships and planets around the solar system.
● 8-bit chiptune music for the main menu and each planet.

Kitchen Kingpin - Github | Demo
App to keep track of user made recipes, ingredients in the user's pantry, and a shopping list.
● Styled the app using Bootstrap, including color coding for ingredients to display low/empty inventory.
● Linked ingredients used in a recipe to the pantry so the user can see if they have everything to make it.
● Utilized a rails backend to store user-added recipes and ingredients.

Quotordle - Github | Demo
Wordle-like game where you are given a famous movie quote (+more hints) and must name the movie.
● Utilized a rails backend to store all movie information as well as user scores.
● Styled using Bootstrap to have a simple, Wordle-like appearance.
● Created a leaderboard showing all users to keep the game competitive.
● Utilized an array for several possible movie titles to keep the game flexible.

EXPERIENCE

Maestoso Music   New York, NY
Freelance Composer and Arranger   09/2016 - Present
● Compose classical music for various ensembles ranging from opera to full orchestra.
● Handle a self-managed schedule of ongoing commission deadlines and performance dates.
● Collaborate closely with musicians, conductors, music directors, orchestras, and donors.

Village Community School   New York, NY
Music Composition Instructor   09/2018 - 03/2021
● Planned lectures, activities, and assignments for year-long middle school classes.
● Taught two classes a week including lectures, individual lessons, and hands-on workshops.

EDUCATION

Flatiron School   New York, NY
Full Stack Web Development, Ruby on Rails and JavaScript program   07/2021 - 04/2022

University of Michigan, Ann Arbor   Ann Arbor, MI
Doctor of Musical Arts, Music Composition   09/2011 - 05/2016