Jacob White

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Rolla, MO

An ambitious and hard-working Web Developer who loves to learn and problem solve. Experienced with creating responsive web applications that utilize databases and APIs. Well-read in the implementation of data structures, algorithms, design patterns, and object-oriented programming.

PROJECTS

Visual Maze Solving Simulation

Technologies: HTML5, CSS3, Javascript, and Node.js.

- Dynamically generates a grid that supports any device resolution.
- Uses a min-heap data structure to prioritize the most efficient path to take.
- Implemented touch-screen support for mobile devices.

Restaurant Reviewer

Technologies: React, HTML5, CSS3, Bootstrap, Javascript, Node.js, Express, and MongoDB.

- Create, read, update, and destroy restaurant reviews from MongoDB using Express rest API's.
- Uses Google Map API to locate restaurants based on unique ID stored as JSON data in MongoDB.
- Login as a user to leave a personal restaurant review that uses MongoDB aggregation to merge the review with the restaurant document.

Portfolio Website

Technologies: HTML5, CSS3, Javascript

- Implemented responsive design to support any device resolution.
- Optimized for SEO, readability, and response time.
- Uses input validation, APIs, and a rate limiting.

EDUCATION

Missouri University of Science and Technology

2015 - 2019
Rolla, Mo

- Completed 96 credit hours towards a BA in Chemical Engineering.
- Relevant courses: CS 1570, CS 1580, Calculus I, II, III, Physics I, II, and Differential Equations.

SKILLS

Languages

Javascript, CSS3, HTML5, Typescript, Python, and C++.

Frameworks

Express, and Jest.

Libraries

React, and D3js.

Databases

MongoDB, and PostgreSQL.

Version Control

Git.

Systems

Windows, and Linux.

Software

VS Code, Visual Studio, MS Excel, and MS Office.

INTERESTS

Software Engineering

Designing and implementing systems is my goal.

Magic the Gathering

Optimizing deck lists and making the most efficient plays.

Fermented Foods

Aerobic and anaerobic fermentation processes.