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 APIs
- 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 documents

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 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

Spelunking

Exploring and mapping Missouri's cave systems

Magic the Gathering

Optimizing deck lists and making the most efficient plays

Fermented Foods

Aerobic and anaerobic fermentation processes