Jacob White

Web Developer with experience creating responsive web applications that utilize databases and APIs. Capable of implementing data structures, algorithms, design patterns, and object-oriented programming. Dedicated to learning and applying new skills, technologies, and industry practices.

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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 coursework: CS 1570, CS 1580, Calculus I, II, III, Physics I, II, and Differential Equations

TECH 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

SOFT SKILLS

Problem-solving

Active listening

Note-taking

Collaborating

Time management