Camden Wahl

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SKILLS

Languages: JavaScript, Python, HTML, CSS, SQL, Git
Technologies/Frameworks: Node.js, React.js, Express.js, Mongoose, MongoDB, EJS, Vite, Webpack

PROJECTS

Full Stack Blog (React, Node.js, Express, MongoDB, Mongoose)   **March 2024**
github.com/camdenwahl/blog-frontend
Blog web application that can host blog articles among various others using React and Node.js to facilitate operations
- Established back-end routes to be consumed by the front-end for CRUD operations
- Adjusted front-end into a react component-based architecture for maximum performance
- Simplified user experience through state management and conditionally rendered components
- Shaped CSS media queries to be responsive for both mobile devices and desktop perspectives

Web Application (JavaScript, Node.js, Express, MongoDB, Mongoose)   **December 2023**
github.com/camdenwahl/irongates
A web application with user registration, authentication, and the ability to create, edit, and view other user posts
- Built a way for users to create accounts, reset passwords, and maintain user sessions
- Designed a mongoose schema for a more structured approach to storing and accessing data in the backend
- Composed the EJS templating engine to employ partials for more robust control of the front end
- Mobilized the MVC methodology for handling data and organizing it appropriately
- Devised CRUD operations for the application.
- Created user authentication and security controls to ensure users could only perform designated operations.

React To-Do List Manager (JavaScript, React, Vite, Vercel)   **January 2024**
github.com/camdenwahl/todo_react
React To-Do List manager inside of react to illustrate state management and prop-drilling within the virtual-DOM
- Implemented state for different project folders that could be toggled on and off
- Dynamically rendered components on conditional cases on what the user needed
- Improved media queries and state management to handle design, allowing for an easy user experience

Discord Bot (Python, MongoDB, Linux, Crontab)   **November 2022**
A discord bot that has a point-tracking system, leaderboard capabilities, user tracking, and image processing features
- Organized files within a google cloud server, keeping the Python files live using Crontab
- Learned MongoDB and how to query, update, and process information for users

WORK EXPERIENCE

Georgia Southern University   **Sept. 2022 – May 2023**
Research Assistant   *Statesboro, GA*
- Constructed a series of python scripts to handle data processing
- Evaluated complex formulas like Fast Fourier Transform to work closely with EEG practices
- Performed a series of data analysis procedures from EEG recordings

EDUCATION

Georgia Southern University   **May 2023**
Bachelor of Science in Information Technology   *Statesboro, GA*
Relevant Coursework: Data Programming I & II, Database Architecture & Design, Discrete Mathematics, Operating Systems, Web Page Development, IT Infrastructure