Adan Wu

| 647-537-3205 | Richmond Hill, Ontario | adanwu30@gmail.com | GitHub | Linkedin | Personal Portfolio |

Technical Skills

- | Java | JavaScript | CSS | HTML | Python | React JS | Node JS | MongoDB | Express JS | SQL | Frontend Development | Backend Development | Database Management | Problem Solving | Critical Thinking | Leadership | Mathematics |

Work Experience

Internship, Software Developer	The Westcoast Actuaries Inc.	05/2024 - 08/2024

- Pair with a senior software developer to maintain and test an existing SQL server system.
- Write SQL queries to extract and analyze data for business use.
- | Problem Solving | Critical Thinking | SQL | Database Management |

Education

Bachelors of Computing	Queen's University	Kingston, ON,	09/2024 - 05/2027

- Major in Computer Science
- Cumulative GPA: 4.0
- Courses: Discrete Structures II, Logic for Computing science, Computer Architecture, Data Structures, Database Management Systems, Software Specifications

High School Student	Bayview Secondary School	Richmond Hill, ON	09/2019 - 06/2023

- Cumulative top-six average: 93%

Projects

Full-Stack Workout Tracker | *Website* | *Source Code* |

- Created an interactive **Full Stack Workout Tracker** allowing the user to create a list of workouts that they would like to perform. Uses React JS, CSS, Node JS, Express JS, and MongoDB.
- Utilized **JSON Web Tokens(JWT)** to ensure safe and persistent user sessions, securing user authentication.
- Also designed a **responsive UI** using React JS and CSS, ensuring the website is accessible to various devices. This project has enhanced my skills in both frontend and backend development and additionally deepened my understanding of JWT and user authentication.

OpenAI API Image Generator | *Website* | *Source Code* |

- Created an interactive **OpenAI API Image Generator** allowing the user to generate an AI image of their choice. This project also allows the user to upload a 256x256 image and generate a variation of that image. Uses React JS, CSS, Node JS, Express JS, and OpenAI API.
- Utilized **OpenAI's API** to generate AI-powered images based on user prompts. I also utilized the **fetch API** to handle asynchronous requests to the backend. This project has enhanced my knowledge in API's and further enhanced my frontend and backend development skills.

Visual Algorithm Sorter | *Website* | *Source Code* |

- Creator of a **Visual Algorithm Sorter** allowing the user to perform sorting algorithms on arrays with elements of random height. This project uses React JS, and CSS.
- In this project, I implemented various sorting algorithms, such as **Bubble Sort**, **Merge Sort**, **Insertion Sort**, **Selection Sort**, and **Quick Sort**, providing users with a dynamic experience to visualize how these algorithms operate in real time. Throughout programming this project, my understanding of frontend development and sorting algorithms greatly increased and further honed my skills in web development and programming,

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Mentorship

- **Math Tutor:** Mathematics | Problem Solving | Leadership | Critical Thinking
- **Programming Tutor:** Python | Problem Solving | Leadership | Critical Thinking