Tyler O'Neil

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EXPERIENCE

Exchange Solutions Inc.   **May, 2023 – September, 2023**
Software Developer Intern   *Toronto, ON*
- Created Node.js scripts to build proof of concept applications for cutting-edge projects, including Retrieval Augmented AI Agents, Digital Coupon Automation, and the Snowflake Native Application Framework.
- Collaborated with cross-functional teams to explore innovative solutions, conduct experiments, and iterate on ideas to drive the development of new technologies and applications.
- Worked closely with senior developers and researchers to create prototypes, conduct feasibility studies, and validate concepts, ensuring alignment with project goals and objectives.

PresenTEC Solutions   **December, 2022 – April, 2023**
Front-End Developer Intern   *Vaughan, ON*
- Oversaw the ongoing maintenance and enhancements of the company website using WordPress, ensuring it remained up-to-date and functional.
- Played a key role in selecting templates and shaping the user interface to align with the company's branding, enhancing the overall user experience.
- Utilised HTML and CSS to fine-tune website layouts and styles, optimising the site's performance and appearance.

PROJECTS For source code and more check out my github

Chatbot | Javascript, React.js, Node.js, Express.js, OpenAI API
- Engineered a dynamic, full-stack web-based chatbot leveraging OpenAI's chat completion API.
- Orchestrated the architecture and design for both the frontend and backend, ensuring seamless functionality and customization.
- Utilised Git for version control, enhancing project management efficiency.

Sorting Algorithm Visualizer | HTML, CSS, Javascript
- Developed a dynamic web-based application showcasing real-time visualisations of various sorting algorithms
- Implemented interactive controls that enable users to manipulate elements, enhancing user engagement, and facilitating a deeper comprehension of sorting algorithms' behaviours, complemented by performance metrics.

EDUCATION

George Brown College   **Graduating April, 2025**
Advanced Diploma, Computer Programming and Analysis   *Toronto, ON*
- Recognized for academic excellence and placed on the dean's list with a 3.81 / 4.0 GPA (Fall 2022; Winter 2023)
- Relevant Courses: Advanced Web Programming, Introduction to Full-Stack Development, Advanced Database Development, Advanced Object Oriented Programming, Linux Essentials
- Active in the GBC IEEEXtreme Competitive Programming Team

University of Toronto, Mississauga   **September, 2019 - April, 2022**
Honours Bachelor of Science, Computer Science and Pure Mathematics   *Mississauga, ON*
- Previously attended before transferring to George Brown College
- Relevant Courses: Introduction to Computer Programming, Introduction to Computer Science, Introduction to Mathematical Proofs, Logic
- Participated in the UTM MCSS (Mathematical and Computational Sciences Society) and UofT Hart House chess club

TECHNICAL SKILLS

- **Languages:** Javascript/Typescript, Python, Java, C#, Bash, PHP, SQL
- **Technologies and Frameworks:** Node.js, Express.js, React.js, Vite, Tailwind, Bootstrap, .NET
- **Databases:** MySQL, Snowflake
- **Development Tools:** AWS, Linux, Git/Github, Firebase Hosting, Wordpress, Jira, Confluence, Slack

References Available Upon Request