Tyler O'Neil

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Experience

George Brown College   **January 2024 – Present**
Teaching Assistant   *Toronto, Ontario*
- Teaching assistant for COMP1234 - Introduction to Web Development, COMP1235 - Introduction to Full Stack Development
- In addition I also contribute as a tutor for the T177/T197 Mobihelp Program

Exchange Solutions Inc.   **May 2023 – September 2023**
Software Developer Intern   *Toronto, Ontario*
- 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, Ontario*
- 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 website

Chat Bot — Javascript, React.js, Node.js, Express.js, OpenAI API
- Engineered a dynamic, full-stack web-based chat bot by harnessing OpenAI's chat completion API, crafting an interactive and intuitive conversational interface.
- Orchestrated the architecture and design for both the front end and back end, ensuring seamless functionality and customization.
- Used Git for version control to enhance project management efficiency, facilitating a streamlined workflow throughout the development life cycle while working independently.

Learning Path Creator — PHP, MySQL, Bootstrap, Linux, Apache Web Server
- Led the full-stack development of the Learning Path Creator, a social media web app employing LAMP stack (Linux, Apache, MySQL, PHP) and Bootstrap for a robust, visually appealing, and responsive educational platform.
- Conceptualised and implemented features enabling collaborative learning, resource curation, and community engagement, empowering educators and learners to create personalised learning paths
- Compiled detailed insights in a comprehensive report outlining the project's functionalities, and technical framework, ensuring a scalable and efficient platform for future deployment

Education

George Brown College   **Graduating April 2025**
Advanced Diploma, Computer Programming and Analysis   *Toronto, Ontario*
- 3.81/4.0 GPA, Dean's List – Fall 2022; Winter 2023; Fall 2023
- Relevant Courses: Advanced Web Programming, Full-Stack Development, Advanced Database Development, Advanced Object Oriented Programming, Linux Essentials, Data Structures and Algorithms, Agile Software Development

University of Toronto   **September 2019 – April 2022**
Honours Bachelor of Science, Computer Science and Pure Mathematics   *Mississauga, Ontario*
- Previously attended before transferring to George Brown College

Technical Skills

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