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 website

Chatbot | Javascript, React.js, Node.js, Express.js, OpenAI API
- Engineered a dynamic, full-stack web-based chatbot by harnessing OpenAI's chat completion API, crafting an interactive and intuitive conversational interface.
- Orchestrated the architecture and design for both the frontend and backend, ensuring seamless functionality and customization.
- Employed Git for version control, optimising project management efficiency and enabling streamlined collaboration among team members throughout the development lifecycle.

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, ON*
- Recognized for academic excellence and placed on the dean's list with a 3.81 / 4.0 GPA (Fall 2022; Winter 2023; Fall 2023)
- Relevant Courses: Advanced Web Programming, Introduction to Full-Stack Development, Advanced Database Development, Advanced Object Oriented Programming, Linux Essentials

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

TECHNICAL SKILLS

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

References Available Upon Request