

# TYLER O'NEIL

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## Experience

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### 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 in the T177/T197 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

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### 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.
- Employed Git for version control, optimising project management efficiency and enabling streamlined collaboration among team members throughout the development life cycle.

### 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

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### 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

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**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