Tyler O'Neil

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Experience

George Brown College
Toronto, Ontario

Vice President, Computer Science Club — September 2024 – Present
- Organized and led club meetings, fostering collaboration and engagement among members.
- Planned and coordinated events such as coding workshops and guest speaker sessions.
- Assisted in decision-making processes and managed logistics for club activities.

Teaching Assistant — January 2024 – Present
- Teaching assistant for COMP1234 - Introduction to Web Development, COMP1235 - Introduction to Full Stack Development.
- Contributed as a tutor for the T177/T197 (Computer Programming and Analysis) Mobihelp Program.

Exchange Solutions Inc.
Toronto, Ontario

Software Developer Intern — May 2024 – September 2024
- Developed features for both frontend and backend, working on the full stack of the loyalty product.
- Used AWS Lambda and a serverless stack to build scalable microservices.
- Enhanced the user interface using React.js while improving API integrations on the backend.
- Collaborated with cross-functional teams to deliver key features in an agile development environment.

Software Developer Intern — May 2023 – September 2023
- Created Node.js scripts to build proof of concept applications for projects like Retrieval Augmented AI Agents, Digital Coupon Automation, and the Snowflake Native Application Framework.
- Explored innovative solutions, conducted experiments, and iterated on ideas to drive the development of new technologies.
- Worked closely with senior developers and researchers to create prototypes and validate concepts.

PresenTEC Solutions
Vaughan, Ontario

Front-End Developer Intern — December 2022 – April 2023
- Oversaw the ongoing maintenance and enhancements of the company website using WordPress.
- Selected templates and shaped the user interface to align with the company's branding.
- Utilized HTML and CSS to fine-tune website layouts and styles, optimizing performance and appearance.

Featured Project **For source code and more check out my website**

Duordle ↗ – Typescript, React.js, Node.js, Express.js, MongoDB, Tailwind CSS
- Developed a multiplayer online word game where users collaboratively guess words. Implemented real-time communication between players using Socket.io.
- Designed and built the entire game architecture, including game state management and custom word bank creation.
- Ensured responsive design for various screen sizes and optimized performance for seamless gameplay experience.
- Implemented a CI/CD pipeline and used Git for version control to enhance project management efficiency, facilitating a streamlined workflow throughout the development life cycle while working independently.

Education

George Brown College
Toronto, Ontario

Advanced Diploma, Computer Programming and Analysis — Graduating April 2025
- 3.84/4.0 GPA, Dean's List – Fall 2022; Winter 2023; Fall 2023; Winter 2024
- 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
Mississauga, Ontario

Honours Bachelor of Science, Computer Science and Pure Mathematics — September 2019 – April 2022
- 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, Tailwind CSS, Bootstrap, .NET

Databases: MySQL, Oracle SQL, SQLite, Snowflake, MongoDB

Development Tools: AWS, Linux, Git/Github, Jenkins, WordPress, Jira, Confluence, Slack