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