Tyler O'Neil

🍁 Toronto, Ontario ✉ tyleroneildev@gmail.com in LinkedIn ⊙ GitHub 🌐 tyleroneil.dev

Experience

Exchange Solutions Inc. — Toronto, Ontario

Software Developer Intern — May 2024 – August 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, Docker, Jest

- Developed a multiplayer online word game where users collaboratively guess words, utilizing **Socket.io** for real-time communication between players.
- Designed and built the game architecture, including game state management, custom word bank creation, and **Dockerized** the application for easy deployment and scalability.
- Implemented comprehensive unit testing using **Jest** to ensure code reliability and robustness throughout development.
- Set up a **CI/CD** pipeline and utilized **Git** for version control, streamlining the development workflow and enabling efficient project management while working independently.

Education

George Brown College — Toronto, Ontario

Advanced Diploma, Computer Programming and Analysis — Graduating April 2025

- 3.85/4.0 GPA, Dean's List – Fall 2022; Winter 2023; Fall 2023; Winter 2024; Fall 2024
- **Relevant Courses:** Advanced Web Programming, Full-Stack Development, Advanced Database Development, Advanced Object Oriented Programming, Data Structures and Algorithms, Agile Software Development, DevOps
- **Vice President of the Computer Science Club:** Organized and led club meetings, coordinated events, and supported member engagement.
- **Teaching Assistant:** Assisted in teaching COMP1234 - Introduction to Web Development, COMP1235 - Full Stack Development, and COMP2080 Data Structures and Algorithms.
- **Academic Tutor:** Provided academic support through the T177/T197 Mobihelp program for Computer Programming and Analysis students.

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, SQL, HTML, CSS

Technologies/Frameworks: Node.js, Express.js, React.js, Tailwind CSS, Bootstrap, Jest, .NET, Springboot

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

Development Tools: AWS, Docker, Linux, Git, GitHub, Jenkins, Postman, Jira, Bitbucket, Confluence