

Allen Reinoso

Toronto, ON

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November 10, 2025

Ontario Lottery and Gaming Corporation (OLG)

70 Foster Drive

Sault Ste. Marie, ON (or Toronto, ON)

Re: Application for Front End Developer Student Co-op Position

Dear Hiring Manager,

I am a third-year Computer Science co-op student at Toronto Metropolitan University, and I am excited to apply for the Front-End Developer Student position at OLG for the Winter 2026 term. With hands-on experience designing and developing user-focused web interfaces and responsive single-page applications using React, TypeScript, Tailwind CSS, and RESTful APIs, I am eager to bring my technical mindset, attention to detail, and collaborative problem-solving skills to the OLG Digital Technology team.

As the Lead Web Developer for TMU's competitive robotics team, I developed a real-time React-based dashboard used to visualize rover telemetry during the University Rover Challenge. I worked closely with hardware and autonomy teams to gather requirements, ensure UI/UX feasibility, and iteratively improve usability and performance. This experience strengthened my skills in modular front-end architecture, component reusability, responsive layout design, and agile team collaboration.

I also implemented WebSocket-based communication between the interface and ROS2 systems, which required careful debugging, unit testing, and refinement to maintain reliability across diverse runtime environments. These challenges helped build my ability to identify risks early, discuss trade-offs with teammates, and deliver features that balance technical correctness with end-user experience.

I am particularly drawn to Ontario Lottery and Gaming Corporation (OLG) because of OLG's commitment to delivering engaging digital gaming experiences to Ontarians. I am inspired by OLG's ongoing digital modernization strategy, collaborative development culture, and focus on innovation and accessibility across gaming platforms and would value the opportunity to contribute to meaningful digital products used across the province. I am also energized by OLG's support for student development, mentorship, and community engagement initiatives.

Thank you for taking the time to review my application. I would welcome the opportunity to further discuss how my background, curiosity, and dedication to clean, maintainable front-end code can support the success of OLG's digital platform initiatives.

Sincerely,

Allen Reinoso (He/Him)

Third-Year B.Sc. (Hons Co-op) Computer Science Candidate

Toronto Metropolitan University

Allen Reinoso

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Skills Summary

Programming Languages: Python, Javascript, Java, SQL, C/C++

Frameworks/Tools: Git, Github, React, Docker, Bash, HTML, CSS, Node.js, Next.js, MongoDB

Development Skills: Data Structures and Algorithms, RestAPI, Agile

Interpersonal Skills: Communication, Team Collaboration, Problem-Solving, Project Management

Education

Toronto Metropolitan University (Formerly Ryerson University)

Computer Science (B.Sc Hons Co-op)

Toronto, ON

Sept 2023 – Expected 2028

- **CGPA:** 3.85/4.33

- **Relevant Courses:** Software Engineering, Data Structures and Algorithms, AI/ML, Discrete Math, Database Systems

Experience

Lead Web Developer

Toronto MetRobotics ↗

Toronto, ON

Sept 2024 – Present

- **Technologies:** Javascript, **ROS2**, TypeScript, Tailwind, **React**, GitHub, shadcn
- Leading the **Web Development** team's **Agile** development environment, participating in sprint planning, stand-up meetings, and code reviews, **iteratively refining** features and **improving system performance**.
- Developed a dynamic **React-based GUI** with reusable components to display **live rover data** and implement **ROS2 data distribution services**, enhancing user control and system monitoring.

Team Lead & Crew Trainer

McDonald's

Scarborough, ON

Sept 2020 – Present

- **Onboarded** and **coached** new staff in guest service and kitchen operations; **monitored** performance and provided feedback to uphold **quality standards**.

Projects

Algorithm Visualizer Site ↗ — React, JavaScript, HTML, Tailwind CSS, GitHub

Apr 2025

- **Led** a small development team in the design and launch of **AlgoBuddy** ↗, a web-based algorithm visualizer, ensuring a user-friendly platform that improved accessibility to complex algorithms.
- **Implemented 8 algorithms** and **3 custom visualizers** in React, JavaScript, HTML/CSS and D3.js, enhancing scalability and enabling interactive demonstrations for deeper algorithm comprehension.

Budget Expense Tracker ↗ — Python, SQLite3, Flask, HTML, JavaScript, CSS

Aug 2024

- **Developed** a full-stack web application to help users track income and expenses efficiently. Utilized Flask with Python for backend processes and SQLite3 for database management, enabling persistent and reliable financial data storage.
- Enhanced the front-end using HTML, CSS, and JavaScript to optimize user experience, resulting in a clean, responsive interface. The application achieved top marks in Lighthouse tests, consistently scoring an **average of 90+**.

LeetNGreet App ↗ — React, Auth0, Docker, MongoDB, Next.js, TypeScript

In-Progress

- **Building** a full-stack web application to connect LeetCode users, using Next.js for the React frontend, REST API endpoints, and MongoDB with Mongoose for user information and post storage.
- **Implemented authentication and authorization** with Auth0, enabling personalized sessions and protecting user data.
- **Containerized** the application with Docker to ensure consistent development and deployment environments across systems.