

# Allen Reinoso

Toronto, ON

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November 12, 2025

## Celestica International LP

5140 Yonge Street

Toronto, ON (Hybrid)

### **Re: Application for Student Intern, Engineering Data Analytics – 16-Month Internship (May 2026 – August 2027)**

Dear Hiring Manager,

I am a third-year Computer Science Co-op student at Toronto Metropolitan University, maintaining a 3.85/4.33 GPA. I am excited to apply for the Student Intern, Engineering Data Analytics position at Celestica International LP. With hands-on experience developing data-driven web tools and analytics solutions using Python, JavaScript, and SQL to improve engineering workflows and decision-making, I am eager to contribute to Celestica's innovative engineering and data analytics initiatives.

As the Lead Web Developer for TMU's robotics team, I designed and implemented a React-based dashboard to monitor real-time rover telemetry using ROS2 and WebSockets. This experience strengthened my skills in data visualization, modular design, and system integration and I believe that these are key competencies for managing analytical tools and automation systems in global engineering environments. Additionally, my academic background in Software Engineering and Data Structures has equipped me with the technical foundation to analyze, build, and optimize data-driven applications efficiently.

Beyond my technical projects, I bring strong communication and leadership abilities from my role as a Crew Trainer at McDonald's, where I mentored new team members, coordinated operations under pressure, and ensured quality standards. These experiences taught me to adapt quickly, manage priorities, and collaborate effectively. I think these skills align with Celestica's emphasis on cross-functional teamwork and continuous improvement.

I am particularly drawn to Celestica International LP because of your commitment to innovation and global collaboration in engineering and technology manufacturing. I am inspired by your focus on developing future engineers through hands-on experience, technical mentorship, and exposure to real-world analytics and automation projects, and I would be proud to contribute to the development of analytics tools that support global engineering excellence and sustainability.

Thank you for considering my application. I look forward to the opportunity to contribute to Celestica's mission of shaping the future through technology and innovation.

Sincerely,

Allen Reinoso (He/Him)  
Third-Year B.Sc. (Hons Co-op) Computer Science Candidate  
Toronto Metropolitan University

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## Skills Summary

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**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

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**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

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**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

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**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.