

Allen Reinoso

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November 5, 2025

TD Bank Group

Toronto Office (Hybrid)

Toronto, ON

Re: Application for Software Engineer Intern/Co-op (Winter 2026)

Dear Hiring Manager,

I am a third-year Computer Science Co-op student at Toronto Metropolitan University, maintaining a 3.85/4.33 GPA, and I am excited to apply for the Software Engineer Intern/Co-op (Winter 2026) at TD Bank Group. I am particularly drawn to this opportunity because of TD's commitment to innovation and people-first digital transformation, and the chance to contribute to meaningful technology used by millions of Canadians. I am eager to bring my technical skills, curiosity, and collaborative mindset to your team.

As the Lead Web Developer for TMU's robotics team, I designed and implemented a real-time dashboard using React, TypeScript, and WebSockets to monitor rover systems during field operations. This experience strengthened my ability to architect modular interfaces, work across system layers, and collaborate with multidisciplinary teammates under evolving requirements. I developed a strong foundation in debugging, iterative design, and communicating technical decisions clearly. I believe these skills are core to impactful software development.

Beyond this project experience, I have applied computer science fundamentals in coursework and personal work involving Python, SQL, Docker, and cloud-based development workflows. I am comfortable working with version control (Git), writing maintainable code, and applying testing practices to ensure reliability. I am also experienced working in fast-paced, team-oriented environments through leadership roles outside of engineering, where I learned to remain adaptable, organized, and supportive of others.

I am inspired by TD Bank Group's Co-op program because of how the Technology group emphasizes practical learning, mentorship, and building meaningful systems at scale. The opportunity to learn from experienced engineers, contribute to production systems, and grow alongside other student developers is exactly the environment I am looking for as I continue developing as a software engineer.

Thank you for considering my application. I would welcome the chance to further discuss how my experiences and interests align with the goals of your team.

Sincerely,

Allen Reinoso (He/Him)

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.