

Allen Reinoso

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Professional Summary

Computer Science co-op student with hands-on experience in software development across the full Software Development Life Cycle (SDLC). Strong foundation in Java, JavaScript, SQL, Git-based workflows, and debugging distributed systems. Experienced in collaborative, cross-functional environments, technical documentation, and building reliable applications. Known for analytical problem-solving, clear communication, and quickly adapting to new tools and platforms.

Technical Skills

Languages: Java, JavaScript, Python, SQL, C, C++

Web & Markup: HTML, CSS, XML, TailwindCSS

Frameworks & Libraries: React, Next.js, Node.js, Flask, D3.js, ROS2

Databases: SQLite, MongoDB (Relational & NoSQL concepts)

DevOps & Tools: Git, GitHub, Docker, CI/CD concepts, VS Code

Education

Toronto Metropolitan University (Formerly Ryerson University)

Bachelor of Science (Honours), Computer Science — Co-op

Toronto, ON

Sept 2023 – Expected 2028

- Cumulative GPA(CGPA): 3.81 / 4.33 (Dean's List equivalent)
- Relevant Coursework: Data Structures and Algorithms, Software Development, Database Systems, Artificial Intelligence, Computer Security

Professional Experience

Web Development Lead — Toronto MetRobotics

Toronto, ON

Sept 2024 – Present

- Designed and implemented a React-based dashboard to visualize live telemetry data using WebSockets and ROS2, enabling real-time monitoring and analysis.
- Collaborated with cross-functional hardware and software teams using Git-based workflows, including feature branching, code reviews, and issue tracking.
- Debugged and troubleshooted data flow, UI rendering, and integration issues to improve system reliability and performance.
- Prepared technical documentation and communicated implementation details to team members, supporting maintainability and knowledge transfer.

Team Lead & Crew Trainer — McDonald's

Scarborough, ON

Sept 2020 – Present

- Supported day-to-day operations by training and mentoring 15+ employees, ensuring adherence to procedures, quality standards, and workplace integrity.
- Communicated effectively with team members and management to coordinate tasks, resolve issues, and maintain smooth operations in a fast-paced environment.

Technical Projects

Algorithm Visualizer Web Application (AlgoBuddy)

Technologies: React, JavaScript, HTML, Tailwind CSS, D3.js | Live Site | GitRepo

Apr 2025

- Designed and built a React-based algorithm visualization platform to support interactive learning of core computer science concepts.
- Implemented 8 algorithms and 3 custom visualizers with animated step-by-step execution using D3.js.

Budget Expense Tracker

Technologies: Python, Flask, SQLite, HTML, CSS, JavaScript | GitRepo

Aug 2024

- Developed a full-stack web application enabling users to track income and expenses with persistent data storage.
- Achieved an average Lighthouse performance score of 90+ through frontend optimization and responsive design improvements.