Allen Reinoso

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Professional Summary

Computer Science co-op student with hands-on experience in full-stack software development, building and maintaining real-world applications in collaborative, Agile environments. Strong foundation in object-oriented programming, RESTful APIs, and delivering scalable, maintainable solutions using modern development tools.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL, C, C++
Frontend: React, HTML, CSS, Tailwind CSS
Backend & APIs: RESTful APIs, Flask, Node.js, SQL-based data storage
Tools & Platforms: Git, GitHub, Docker (basic), Linux/Unix command line (basic)
Concepts: Object-Oriented Programming, Agile/Scrum, Full-Stack Development, Software Development Life Cycle (SDLC), Unit Testing (introductory)
Cloud & DevOps: Exposure to containerized deployment, basic cloud concepts, and modern DevOps practices

Education

Toronto Metropolitan University
Bachelor of Science (Honours), Computer Science — Co-op
Toronto, ON   Sept 2023 – Expected 2028

- CGPA: 3.81 / 4.33
- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Database Systems, Artificial Intelligence

Professional Experience

Web Development Lead — Toronto MetRobotics
Toronto, ON   Sept 2024 – Present

- Designed and developed full-stack web features supporting robotics operations and real-time decision-making.
- Built a React-based dashboard to visualize live telemetry data, integrating backend services via ROS2 and WebSocket communication.
- Collaborated with cross-functional software and hardware teams to define requirements and deliver features using Agile workflows.
- Applied object-oriented design principles and modular development practices to ensure maintainable and scalable code.
- Mentored junior developers and participated in code reviews to improve code quality and team knowledge sharing.

Team Lead & Crew Trainer — McDonald's
Scarborough, ON   Sept 2020 – Present

- Trained and mentored 15+ employees while coordinating daily operations in a fast-paced environment.
- Communicated clearly with team members and management to prioritize tasks, resolve issues, and maintain performance standards.

Technical Projects

Algorithm Visualizer Web Application (AlgoBuddy)
React, JavaScript, HTML, Tailwind CSS, D3.js | Live Site | GitHub   Apr 2025

- Designed and implemented an interactive web platform to visualize core algorithms with step-by-step animations.
- Improved learning usability by translating abstract algorithms into clear, visual workflows.

Budget Expense Tracker
Python, Flask, SQLite, HTML, CSS, JavaScript | GitHub   Aug 2024

- Developed a full-stack application for tracking income and expenses with persistent SQL-backed storage.
- Optimized frontend performance and responsiveness, achieving Lighthouse performance scores above 90.