

Emile (Miles) Turcotte

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Honours Co-op

Waterloo, ON

Sep. 2026 – Jun. 2030

TECHNICAL SKILLS

Languages: C#, Python, SQL (Postgres), TypeScript, Go, Kotlin, Swift

Frameworks: React, Node.js, .NET, Blazor

Developer Tools: Git, Docker, GitHub Actions

EXPERIENCE

Software Developer Intern

ALCT

Jun. 2026 – Aug. 2026

Saint-Jean-sur-Richelieu, QC

- Interviewed 6 daily users and reverse-engineered their Crystal Reports + Excel workflow, then replaced it with a C#/Blazor/SQL web app, saving 500+ hrs/year and retiring the old process
- Traced 60s report loads to poorly structured joins across nested SQL views and restructured them, cutting generation to 5s (92%)
- Designed a config-driven report engine so new reports ship in 15-30 mins instead of 3hrs
- Deployed on-premises, iterated on post-launch user feedback, and onboarded the team with documentation for a clean handoff

Founder & President

Dawson Business Association

Jan. 2025 – May 2026

Montreal, QC

- Founded a student entrepreneurship community at Dawson, where none existed, growing it from 0 to 50+ members
- Ran idea-validation workshops for 10 students that pushed them to test assumptions before building; 4 of 10 pivoted, narrowed, or dropped their idea

PROJECTS

Quartier – Proximity Networking App | *Swift, Kotlin, PostgreSQL, Supabase*

Jun. 2025 – Aug. 2025

- Questioned the manual contact-exchange flow (QR scans, typing) and built a cross-platform BLE prototype that shares contacts automatically on proximity, with 2s discovery at up to 10m on physical devices
- Worked around iOS/Android background-BLE limits with opt-in foreground-service UUID broadcasting
- Tested with 5 people and shelved the project after customer interviews showed no path to monetization