

Nicolas Arsenault

418-409-1752 | nicolas@nicolasarsenault.com | [linkedin.com/in/nicolas-arsenault](https://www.linkedin.com/in/nicolas-arsenault) | git.nicolasarsenault.com

EXPERIENCE

Software Developer Intern

June 2025 – Sept. 2025

CEF RAIL

Remote, QC

- Built a REST API using ASP.NET and SQL Server to store worker and task data, enabling data access and supporting 100+ daily queries.
- Engineered a task orchestrator to retry failed steps in the report generation pipeline, increasing report reliability by 35%.
- Implemented a publisher-consumer architecture to decouple application domains, reducing inter-service latency by 10% and improving system uptime.

Information Technology Support Intern

June 2024 – Sept. 2024

College Sept-Iles

Sept-Iles, QC

- Deployed computer labs with over \$20,000 in hardware across 2 buildings, preparing 100+ machines for the new academic year.
- Resolved over 50 technical issues for staff and students, reducing average ticket resolution time by 20%.
- Provisioned 30+ user accounts in Active Directory, cutting onboarding time for new faculty and students by 23%.

Research Assistant

Oct. 2023 – May 2024

ITMI

Sept-Iles, QC

- Developed a custom humidity sensor in C to monitor 3D printer environments, reducing failed prints by 50% and saving \$5,000 in wasted filament.
- Authored 2 programming lessons delivered to 100+ high school students, boosting coding engagement in youth outreach programs.
- Led a robotics workshop for 50+ attendees, increasing STEM club sign-ups.
- Judged a LEGO First Robotics competition with 8 teams, evaluating performance on engineering design and collaboration.

PROJECTS

Zombie Arena | C#, Unity, Git

Jan 2025 – Mar. 2025

- Created a third-person zombie shooter in Unity with 10+ enemy types, achieving 200+ downloads on itch.io.
- Implemented physics-based gun mechanics and AI scaling to increase player engagement and retention by 30%.

TECHNICAL SKILLS

Languages: Java, C/C++, C#, SQL (SQLServer & Oracle), JavaScript/Typescript, HTML/CSS

Frameworks: Spring Boot, React, React Native, Node.js, Expo, .NET

Developer Tools: Git, Docker, AWS, VS Code, Visual Studio, IntelliJ, Supabase, FireBase, Cursor

Libraries:x

EDUCATION

College Sept-Iles

Sept-Iles, QC

DEC in Computer Science

Aug. 2023 – May 2026