

Work Experience

Software Development Intern	Ericsson	Montreal – May 2025 – Now
<ul style="list-style-type: none">Delivered cross-platform features in Java, React TypeScript, and Python that enhanced the functionality of Trace Compass, an open-source performance analysis tool.Drove collaboration with research and industry partners to define requirements and successfully integrate new capabilities into Trace Compass.Developed a proof-of-concept for Docker container tracing and trace correlation, extending Trace Compass applicability to modern containerized environments.		
Senior Software Developer	Brake Technologies Inc.	Canada – April 2024 – Now
<ul style="list-style-type: none">Implemented 4 new critical features and an MCP server, driving up user engagement and retention on the platform by 150% and helping acquisition of business partnerships.Integrated Google {Maps, Events} and OpenAI API services for content generation and optimized edge functions, reduced operational costs by 25%.Implemented multiple backend services and extended SQL database schemas to accommodate new features.		
Simulation Software Consultant	SimWell Technologies	Montreal – Jan. 2024 – Sep. 2024
<ul style="list-style-type: none">Designed and developed a Software-as-a-Service architecture specialized for process and digital twin simulation operations.Configured building, testing and deploying microservice containers to Azure cloud, and OIDC integration with Entra ID		
Software Developer	Microsoft	Montreal – Jan. 2023 – Apr. 2023
<ul style="list-style-type: none">Implemented a new authentication service in the product stack on Azure K8s Service using Nestjs framework.Hardened k8s security by implementing TLS encryption for microservice communications (ReST, gRPC).Automated vulnerability patching with Ansible for Linux VM fleet and generated observable patch logs.		
Software Developer	Genetec Inc.	St-Laurent – May 2022 - Aug. 2022
<ul style="list-style-type: none">Implemented 2 new features for a Windows language translation management software in WPF and C#.Configured 10+ build and deploy pipelines for across company's product portfolio and OS environments on Azure DevOps.		

Education

Montréal, QC.	LaSalle College	Fall 2024 – Now
<ul style="list-style-type: none">Technical Degree in Computer Science. Expected to graduate in December, 2026.		
Montréal, QC.	Concordia University	Fall 2020 – May 2024
<ul style="list-style-type: none">Bachelor in Computer Engineering.		

Projects

- Tailflare UI**. The web-based GUI version of Tailflare the CLI. Next.js + Tailwindcss.
- Apple Music Improved Rich Presence**. Extended an open source project to scrape Apple Music app on Windows currently playing status to display on websites instead of Discord. C#, .NET, Nextjs (frontend).
- Reroll.ing**. Gacha game simulator. Golang (server), Nextjs (frontend), SQLite, Python (data), Docker.
- Script Convenience Store**. Shell scripting and automation.

Additional Experience and Awards

- Advisor, Technology, GCES Concordia (2024-now)**: Mentor 2 successors, plan visions for more utility products, create architecture for a new software product for competition scoring.
- VP, Technology, GCES Concordia (2023-2024)**: Led and maintained technology assets: revamped websites, improved knowledge base, integrated competition scoring sheets.

Skills

- Programming: TypeScript/JavaScript, Go, C#, C++, C, Java, Python, Rust
- Tooling & Technical: {Azure, AWS, Google} Cloud, Git{hub,lab}, Cloudflare, Vercel, Nextjs, Spring, .NET, Docker, Kubernetes, Linux/Windows/macOS, Virtualization, WebSocket, SQL, NoSQL, Redis/Memcache, Shell script
- Concept & pattern: CI/CD, DevSecOps, Platform engineering, Automation, {Unit, Acceptance, Integration, Regression, Load} testing
- English (fluent), French (advanced), Vietnamese (fluent)