

Work Experience

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| 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 Development Intern | 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). | | |
| Software Development Intern | 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

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|---|-----------------------------|-----------------------------|
| 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
- Concepts: CI/CD, DevSecOps, Platform engineering, Automation, {Unit, Acceptance, Regression, Load} testing
- English (fluent), French (advanced), Vietnamese (fluent)