

## Work Experience

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

## Education

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

## 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)