

## Employment

<b>Full-stack Software Developer</b> A founding engineer <ul style="list-style-type: none"><li>Implemented 3 new critical features driving up user engagement and retention on the platform by 150%.</li><li>Integrated Google Maps, Google Events, and OpenAI API services for content generation and optimized edge function executions, reducing operational costs by 25%.</li><li>Implemented multiple backend services and extended SQL database schemas to accommodate new features.</li><li>Wrote integration and unit test suites for both frontend and backend; maintain CI/CD pipeline on Github; remediated security vulnerabilities.</li></ul>	<b>Brake Technologies Inc.</b>	<b>April 2024 – Now</b>
<b>Simulation Software Consultant</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>Created CI/CD pipelines for building, testing, and deploying microservice containers to Azure cloud.</li><li>Designed and developed a responsive frontend, highly-adaptable for displaying data and managing organizational scopes.</li><li>Set up application security policies and measures following the OWASP framework on Azure and Microsoft Entra.</li></ul>	<b>SimWell Inc.</b>	<b>Jan. 2024 – Sep. 2024</b>
<b>Software Developer</b> Cloud & AI <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 system security by implementing TLS encryption for microservice communication protocols (ReST, gRPC) with K8s gateways and proxies.</li><li>Reduced toil in DevOps with automated vulnerability patching with Ansible for Linux VM fleet and generated observable patch logs.</li><li>Contributed to organization's internal technical documentation on implementing service-to-service encryption.</li></ul>	<b>Microsoft Corporation</b>	<b>Jan. 2023 – Apr. 2023</b>
<b>Software Developer</b> Software Configuration Management Team <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>	<b>Genetec Inc.</b>	<b>May 2022 – Aug. 2022</b>

## Education

<b>Montréal, QC.</b> <ul style="list-style-type: none"><li>Technical Degree in Computer Science.</li></ul>	<b>LaSalle College</b>	<b>Fall 2024 – May 2027</b>
<b>Montréal, QC.</b> <ul style="list-style-type: none"><li>Bachelor in Computer Engineering.</li></ul>	<b>Concordia University</b>	<b>Fall 2020 – May 2024</b>

## Technical Experience

### Projects

- Tailflare.** Sync device hostnames from Tailscale to Cloudflare subdomain. Golang.
- Tailflare UI.** The web-based GUI version of Tailflare the CLI. Next.js + Tailwindcss.
- Apple Music Improved Rich Presence.** Extended an existing open source project that scrapes 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), container.
- 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.

### Languages and Technologies

- TypeScript/JavaScript; Go, C++; C; Java; SQL; Python; Rust
- Visual Studio (Code); Azure/Google/Amazon Cloud; Github Actions; Cloudflare; Vercel; Nextjs; Spring Boot; Docker; Linux/Windows/macOS; Hypervisors; WebSocket; CI/CD; DevSecOps; SQL, in-memory cache, KV database