

Employment

Software Developer	<i>Non-disclosure</i>	April 2024 – Now
Full-stack, one of founding engineers		
<ul style="list-style-type: none">Implement 3 new critical features driving up user engagement and retention on the platform by 150%.Integrate Google Maps, Google Events, and OpenAI API services for content generation and optimized edge function executions, reducing operational costs by 25%.Implement multiple backend services and extended SQL database schemas to accommodate new features.Write integration and unit test suites for both frontend and backend; maintain CI/CD pipeline on Github; remediate security vulnerabilities.		
Simulation Software Consultant	SimWell Inc.	Spring 2024 – Fall 2024
<ul style="list-style-type: none">Designed and developed a Software-as-a-Service architecture specialized for process and digital twin simulation operations.Created CI/CD pipelines for building, testing, and deploying microservice containers to Azure cloud.Designed and developed a responsive frontend, highly-adaptable for displaying data and managing organizational scopes.Set up application security policies and measures following the OWASP framework on Azure and Microsoft Entra.		
Software Developer, Intern	Microsoft Corporation	Spring 2023
Cloud & AI		
<ul style="list-style-type: none">Implemented a new authentication service in the product stack on Azure K8s Service using Nestjs framework.Hardened system security by implementing TLS encryption for microservice communication protocols (ReST, gRPC) with K8s gateways and proxies.Reduced toil in DevOps with automated vulnerability patching with Ansible for Linux VM fleet and generated observable patch logs.Contributed to organization's internal technical documentation on implementing service-to-service encryption.		
Software Developer, Intern	Genetec Inc.	Summer 2022
Software Configuration Management Team		
<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 – May 2026
<ul style="list-style-type: none">Technical Degree in Computer Science, May 2026.		
Montréal, QC.	Concordia University	Fall 2020 – May 2024
<ul style="list-style-type: none">Bachelor in Computer Engineering, Unfinished.		

Technical Experience

Projects

- Taiflare.** Sync device hostnames from Tailscale to Cloudflare subdomain. Golang.
- Apple Music Agnostic 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