

## Employment

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**Software Developer** *Non-disclosure in effect* **April 2024 – Now**  
Full-stack

- Implemented 3 new critical features driving up user engagement and retention on the platform by 150%.
- Integrated Google Maps, Google Events, and OpenAI GPT-4 services for content generation and optimized edge function executions, reducing operational costs.
- Implemented multiple backend services and extended SQL database schemas to accommodate new features.
- Wrote integration and unit test suites for both frontend and backend with over 80% code coverage.

**Simulation Software Consultant** **SimWell Inc.** **Spring 2024 – Fall 2024**

- 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 modern and responsive frontend, highly-adaptable for displaying numerical data and hierarchical business unit management.
- Applied best-practice application security policies and measures following the OWASP framework on Azure and Microsoft Entra.

**Software Developer, Intern** **Microsoft Corporation** **Spring 2023**  
Cloud & AI

- Implemented a new authentication service in team's product stack on Azure Kubernetes Service.
- Hardened system security by implementing TLS encryption for microservices with k8s gateways and proxies.
- Reduced toil in DevOps with automated vulnerability patching with Ansible for Linux VM fleet.
- Contributed to organization's internal technical documentation on implementing service-to-service encryption.

**Software Developer, Intern** **Genetec Inc.** **Summer 2022**  
Software Configuration Management Team

- Implemented 2 new features for a Windows language translation management software in WPF and C#.
- Configured 10+ new build and deploy pipelines across the company's product portfolio on Azure DevOps platform in Linux, Windows, and containerized environments.

## Education

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**Montréal, QC.** **LaSalle College** **Fall 2024 – May 2026**  
▪ Technical Degree in Computer Science, May 2026.

**Montréal, QC.** **Concordia University** **Fall 2020 – May 2024**  
▪ Bachelor in Computer Engineering, Unfinished.

## Technical Experience

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### Projects

- **Tailflare.** 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

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- **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

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- 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