

Georges Ghazal

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EDUCATION

Concordia University – Gina Cody School of Engineering

Bachelor of Engineering, Software Engineering - CO-OP Program

Montreal, Canada

2022 – 2027

Antonine Sisters School

Lebanese Baccalaureate, Life Science

Ghazir, Lebanon

2007 – 2022

PROFESSIONAL EXPERIENCE

Software Engineer

Ministère de la Cybersécurité et du Numérique du Québec (MCN)

Fall 2025

Quebec, Canada

- Ongoing

Cyber Security Analyst Intern

AHEAD FZCO UAE

Summer 2024

Dubai, UAE

- Managed account and credential confidentiality for events across Dubai and Abu Dhabi, ensuring zero security breaches
- Implemented cybersecurity measures protecting company data systems serving 1,000+ event attendees
- Collaborated with 3-person IT teams to maintain constant uptime and achieve full security compliance across all event operations

PROJECTS

Cybersecurity Toolkit | C#

Winter 2025

- Developed **keylogger** application with **SMTP** functionalities capturing 99.7% keystroke accuracy and covert email transmission every 30 minutes
- Built comprehensive cybersecurity toolkit with **file encryption/decryption supporting AES-256, network monitoring, and threat detection** using **OWASP ZAP** and **NMAP** tracking 500+ connections/hour
- Implemented network security tools including **TCP honeypot/Wifi-honeypot** detecting 50+ probe attempts and Wi-Fi access point monitoring covering 200+ devices

Smart Event System Website | JavaScript, HTML/CSS

Winter 2025

- Event creation, registration, seat arrangements, and promotion website with full functionality + payment integration
- **AI chatbot** helper achieving 85% user query resolution rate and Opportunity Hub using **NLP and machine learning algorithms** to analyze user profiles
- Delivered personalized event recommendations through the Opportunity hub with 78% match accuracy based on skills, achievements, and expertise

Stock Trading Bot | Python

Fall 2024

- Designed and implemented Python-based trading bot achieving 12% returns over 3-month testing period with \$10,000 simulation capital
- Automated trading strategies processing 1,000+ daily market data points with sub-second response times using real-time API integration
- Utilized Excel files as input and processed data using **Pandas library**, reducing manual analysis time by 90%

Game Development Projects | C#

Fall 2023

- Developed **2** fast-paced dynamic 3D escape games (Evader3D, OnTheRun) with 99% collision detection accuracy and 60 FPS performance
- Utilized custom C# scripts and **Unity Engine with navigational mesh, and AI packages** delivering immersive gameplay for 100+ beta testers

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, PHP, HTML/CSS, SQL, JavaScript

Frameworks: .NET, React, Node.js, Vite, Express.js, PyTorch, FastAPI, pytest, three.js

Developer Tools: Visual Studio, GitHub, MongoDB, PowerBI, Twilio SendGrid, Windows Forms, Unity, Cursor

Languages: French (fluent), English (fluent), Arabic (fluent)