

## EDUCATION

---

### Bachelor of Computer Engineering Co-op

Concordia University, Montreal, QC

Cumulative GPA: 3.95/4.30

2021 – 2026 (Expected)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering Process, Databases

## PROFESSIONAL EXPERIENCE

---

### Backend Developer Intern

May 2024 – September 2024

SwiftConnect (AccessCloud), Montreal, QC

- Developed and maintained RESTful APIs for AccessCloud's digital identity management, access control, and visitor management systems
- Optimized backend services for efficient, real-time synchronization of access permissions across multiple systems
- Developed custom data unmarshalling using type reflection, increasing list operation speed by 50% compared to standard JSON marshalling
- Gained experience with containerized environments using Docker and Kubernetes in AWS cloud infrastructure
- Actively participated in Agile development processes, including daily stand-ups, sprint planning, and retrospectives

### Software Developer Intern

April 2023 – April 2024

SwiftConnect (Core), Montreal, QC

- Built and maintained Golang-based test suites, increasing overall test coverage by 40% and improving platform stability
- Developed Kafka consumers for centralized log aggregation that help identifying and diagnosing system issues
- Utilized pprof to diagnose and resolve a critical memory leak in a key service, preventing recurring out-of-memory crashes
- Set up flows replicating client environments in staging to ensure service verification and stability before release

## TECHNICAL SKILLS

---

- **Languages:** Go, Java, JavaScript, Python, C/C++, SQL, VHDL
- **Technologies:** AWS, Google cloud, RabbitMQ, RESTful APIs, Microservices, Apache Kafka, Docker, Git
- **Frameworks:** React, Node.js, Spring Boot, Flask, gRPC
- **Tools:** Postman, Jira, Jenkins, Kubernetes
- **Methodologies:** Agile/Scrum, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD)

## PROJECTS

---

### MysticFunds — Go, gRPC, PostgreSQL, Microservices Architecture

[GitHub: MysticFunds](#)

- Architected a microservices-based financial system with 5 independent services using Go and gRPC
- Implemented JWT-based authentication and role-based access control, securing all microservices
- Implemented an API Gateway for routing, authentication, and HTTP-to-gRPC communication
- Utilized Protocol Buffers for efficient data serialization, improving system performance by 20%

### TalentVault — MERN Stack (MongoDB, Express.js, React, Node.js)

[GitHub: TalentVault](#)

- Led a team of 5 to build a full-stack web application for streamlining job search processes
- Designed RESTful API endpoints, facilitating efficient front-end and back-end communication
- Added real-time notifications using Socket.io, ensuring users received updates instantly
- Followed Agile methodologies, managing sprints and retrospectives to meet project deadlines

### ZenStay — Go, PostgreSQL, RESTful API

[GitHub: ZenStay](#)

- Built a Bed & Breakfast booking and reservation system using Go and PostgreSQL
- Developed a RESTful API for seamless communication between frontend and backend
- Designed and implemented a PostgreSQL database for efficient data management
- Implemented user authentication and session management for enhanced security

### Hovercraft Design Project — C++, Arduino

[GitHub: Hovercraft Design Project](#)

- Developed an autonomous hovercraft capable of navigating a maze using C++ and Arduino for control
- Integrated sensors, fans, and servos for movement and obstacle detection
- Applied object-oriented principles for modular, easily adjustable code

## HONORS & AWARDS

---

### Dean's List

2021 – 2024

Concordia University

Recognized for outstanding academic achievement, maintaining a high GPA for three consecutive years

### International Honour Society Membership

2022 – Present

Golden Key

Awarded to students ranking in the top 15% of their program