

Elias Hannoun

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Education

Bachelor of Engineering - Software Engineering (Co-op) September 2022 - April 2026

Concordia University, Montreal, QC

- Relevant Courses: Data Structures & Algorithms, Operating Systems, Software Architecture, Cybersecurity, AI.

DEC - Computer Science and Mathematics (Dean's Honor Roll) January 2020 - May 2022

Vanier College, Montreal, QC

- Relevant Courses: Data Structures & OOP, Graphical Program Development, Discrete Math.

Professional Experience

Software Asset Management Intern May 2025 - August 2025

Kruger, Montreal, QC

- Developed a custom enterprise tool to facilitate PR tracking and data management, used by employees nationwide.
- Migrated SAM data to Snow, optimizing companywide tracking of software license and hardware inventory.
- Created a standardized AI workflow that reduced manual workload by 75% with team-wide implementation.
- Supported the migration of IT asset management data and SOPs into a new centralized ServiceNow instance.

IT Development Intern May 2024 - August 2024

Vanier College Supercamp, Montreal, QC

- Deployed and managed a new Google Workspace infrastructure, establishing professional email domains.
- Migrated data from legacy accounts and local drives to a new centralized cloud storage, with zero data loss.
- Implemented cybersecurity protocols, including MFA enforcement, drive access controls, and security audits.
- Performed hardware upgrades and system optimizations to improve overall IT efficiency.

Software Developer Intern September 2023 - May 2024

Airbus, Mirabel, QC

- Developed and designed a Python application for the flight physics team, reducing simulation and report generation time by over 30% for 15+ engineers.
- Integrated the application with the primary database using SQL, enabling data synchronization and accuracy.
- Collaborated with engineers to translate technical specifications into software requirements.
- Built supplementary tools, including an internal offline file transfer tool that complies with security measures.

Projects

CastPoint April 2026 - Present

Founder & Lead Developer, Montreal, QC

- Leading a team of 3 developers to build a real-time scoreboard and broadcasting system for sports venues using React, Node.js, and SQLite.

RoadBuddy AI January 2026

Concordia's Hackathon - ConUHacks X, Montreal, QC

- Built a MediaPipe computer vision and ML pre-drowsiness detection system to identify early driver fatigue.
- Designed a personalized context-aware voice engagement (Gemini, ElevenLabs) with MongoDB for event logging.

AeroML - Capstone Project September 2025 - April 2026

Concordia University, Montreal, QC

- Coordinated with 11 team members to develop a machine learning model providing aerospace companies with a faster and highly accurate way of predicting and detecting manufacturing defects and bottlenecks.
- Deployed the tool with **Pratt & Whitney** to be used by their engineers.

Campus Guide Mobile App January 2025 - April 2025

Concordia University, Montreal, QC

- Collaborated with 10 team members to develop a fully functional Android and iOS navigation application, providing Concordia students with optimized indoor and outdoor routes using various transportation modes.

Skills

Programming Languages & Databases: Python, Java, C++, JavaScript, PHP, HTML, CSS, SQL, NoSQL

Libraries: Node.js, Angular, React, NestJS, .NET, Tkinter

Tools & Platforms: Git, Jira, Zenhub, Linux, Figma, WordPress, Snow Software, ServiceNow

Languages: English, French, Arabic