

# Carson Spriggs-Audet

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## EDUCATION

### Concordia University

BA in Economics (Planned Transfer to BCompSc).

Montreal, QC

Sept. 2024 – Ongoing

- **Extra-Curricular:** Sponsorship Team & Head Delegate of Montreal at CUSEC

### John Abbott College

DEC, Computer Science (420.B0)

Sainte-Anne-de-Bellevue, QC

Aug. 2021 – May 2024

- **Academics:** 3.7 GPA, Award for Outstanding Academic Improvement.
- **Extra-Curricular:** Director of JACHacks, member of AI R&D Program, mentor for underclassmen.

## EXPERIENCE

### Software Developer Intern

Tail'ed

May 2024 – August 2024

Montreal, QC

- Developed the company website using **Next.js**, **TypeScript**, and **ShadCN**
- Worked on an **AI** job applicant ranking system in **Python**, leveraging a **vector database** and **AWS**.

### Sponsorship Team & Head Delegate of Montreal

Canadian University Software Engineering Conference (CUSEC)

March 2024 – Present

Montreal, QC

- Negotiating and communicating with companies to acquire sponsors for funding & internship opportunities for delegates.
- Communicating and promoting to secure student delegates from **10+** schools. (**CEGEP - Masters level**)

### Director

JACHacks

March 2024 – June 2024

Sainte-Anne-de-Bellevue, QC

- Led a team of **5 students** in planning and organization for the first edition of JACHacks, garnering **200+ attendees**.
- **Delegated** tasks and **assisted** my team in their roles to ensure we would make our deadline.

### IT Intern

Ville de Kirkland

January 2024 – May 2024

Kirkland, QC

- Provided timely resolution of over **100+** IT tickets for government employees, ensuring uninterrupted operations.
- Utilized **CrowdStrike Falcon** for vulnerability detection, bolstering network security by resolving **4500+** vulnerabilities.

## PROJECTS

### CropCare | IoT, .NET MAUI, Python, TinkerCAD

CEGEP Capstone Project

- Recognized as the **top project** in the history of the courses Application Development III & Connected Objects.
- Developed an **IoT container farm** integrating a **Raspberry Pi**, **Python**, and **.NET MAUI** for centralized monitoring/control.
- Implemented real-time **MQTT telemetry transfer** through **Microsoft Azure**, for **D2C/C2D** communication.

### Linky | RAG AI, Vector Database, Mantine, TypeScript

MariHacks Winner

- **Winning project** for MariHacks 2024, done in a **team of two**.
- Utilized **RAG AI** in combination with a **vector database** to allow users to communicate with web pages through Linky.

### Neural Activity Decoding | Machine Learning, Python

PharmaHacks

- **Fourth Place** in McGill's **Neuroscience & Biotechnology** hackathon, PharmaHacks 2024.
- Utilized a **RandomForestRegressor** to determine the navigation and position of a mouse using **retrosplenial cortex data**.

### TradeMind AI | Machine Learning, Python, React.js

AI Launch Lab

- Developed for AI Launch Lab's **R&D program** and recognized as the **top project** in the history of the program.
- Tested various **machine learning models** to accurately predict the closing prices of stocks within the S&P 500.
- Created a **React** for frontend and **Python** for backend website to present our AI model & host it with **Cloudflare** and **Render**.

## COMPUTER SCIENCE SKILLS

**Development:** SCRUM, DevOps, CI/CD.

**Languages:** Python, Java, TypeScript, JavaScript, C#, SQL, Kotlin, NoSQL, HTML/CSS.

**Frameworks & Libraries:** React, ASP.NET, .NET MAUI, jQuery, Xamarin, Mantine, Next.js.

**Platforms & Tools:** Git, GitHub, Docker, Unity, Godot, Microsoft Azure, AWS, Firebase, Jira, GNS3.

**Additional:** Microservices, Machine Learning, IoT Development, Bash/PowerShell, Network Administration.