

Adrien Trahan

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EDUCATION

- Software Engineering - Polytechnique Montreal - University (GPA of 3.94 /4) 2023 to 2027
↳ Concentration in Artificial Intelligence and Data Science
- Natural Sciences - Collège Bois de Boulogne - Cegep (final R score of 33.937) 2021 to 2023
- Collège Saint-Sacrement - High School (final average of 91%) 2016 to 2021

SKILLS

- Proficient with Python, JS, React, Sveltekit, CSS Styling, Swift, MongoDB
- Experience with C++, PyTorch, Java, PostgreSQL, Microsoft SQL Server, GIT
- Additional: Strong problem-solving skills & Quick learning abilities

PROJECTS & PERKS

- Matic - Flexible Website builder (Work in Progress)** 2024
- A service to collaboratively build websites using drag-and-drop capabilities
 - Sandbox to allow custom plugin integration
 - Allows for custom components
 - ↳ Repo: <https://github.com/AdrienTrahan/Matic> - Stack: Svelte, Node, PostgreSQL
- Forward Forward Algorithm Implementation** 2023
- Built an AI library based on Geoffrey Hinton's Forward Forward Algorithm.
 - ↳ Repo: <https://github.com/AdrienTrahan/ForwardForward> - Lang: Typescript
- SportsZone - Fullstack Project** 2020 to 2021
- Developed a comprehensive sports platform accessible via Android, iOS, and website interfaces.
 - ↳ Repo: <https://github.com/AdrienTrahan/SportsZone> - Stack: Angular Ionic, Node, MongoDB
- Row Jumper** 2015
- Built an iOS app and published it on the App Store (at 11 years old)

EXPERIENCE - COMPUTER SCIENCE RELATED

- Web Development Intern - Thirdbridge** 2024
- Developed web pages using React, GatsbyJS, and Payload CMS.
 - Participated in code review and evaluation processes as both a reviewer and reviewee.
 - Collaborated with clients to gather feedback and make iterative adjustments.
- Business Intelligence Intern - L3HARRIS** 2022 and 2023
- Managed Microsoft SQL Server databases, executed data integration,
 - Led the development and migration of Power BI dashboards.
 - Collaborated with clients from different locations to address their needs.
- La Machine - Technical Society** 2023 to 2024
- Implemented an AI-based object recognition and positioning system to automate our solution's movement system for the "Jeux de génie" competition.
- IT Security Team - Ethical Hacking Club** 2021 to 2022
- Engaged in discovering and addressing modern vulnerabilities to enhance cybersecurity.
- Programming team leader FRC - Droide 5865** 2019 to 2021
- Led a programming team in designing clean and structured Java code for FRC team projects, ensuring timely delivery.
 - Competed at FIRST tournaments in Montreal and New York, qualifying for the 2019 FIRST World Championship in Detroit, MI.

EXPERIENCE – SCHOOL RELATED

VP Communications – Software Engineering Student Committee (*Elected*) 2024 to 2025

- Managed social media, drafted meeting minutes, and communicated key information to ensure the visibility and protection of CEGInfo's brand image.

VP Integration – Software Engineering Committee 2023 to 2024

- Serves as a connection between new students and the school administration and ensures their seamless integration into the institution.

FOUNDER – SOCIOBDEB 2022 to 2023

- Founder of a committee that creates parties with over 500 attendees for Collège de Bois-de-Boulogne.
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EXPERIENCE – NON COMPUTER SCIENCE RELATED

Service Assistance – Vaccination Center – CISSS des Laurentides 2021 to 2022

- Support for healthcare professionals. Reception and assistance to patients

Janitor – Commission Scolaire de la Seigneurie des Mille-Îles 2019 and 2020

- In charge of a school with one employee under my supervision.
 - Responsible for the extensive summer cleaning spanning over 3 months within tight deadlines.
 - Placed orders with suppliers for necessary products.
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AWARDS & MENTIONS

- **Mention of excellence – PolyMTL** 2024
 - **1st position at the Computer Science Games** 2024
 - **Judges' Favorite Award** 2020
Received at HACKATOWN 2020 by PolyHx
 - **Hackathon Winner** 2019
Won first place at Polytechnique Montreal with Collège Saint-Sacrement
 - **1st place at Polytechnique's Summer Programming Camp** 2018
 - **Hackathon Winner** 2017
Won first place at Polytechnique Montreal with Collège Saint-Sacrement
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FIELDS OF INTEREST

In my little free time, I enjoy competing in individual and team sports (city hockey team, varsity badminton team, collegiate athlete of the year), playing piano, and traveling (Viet Nam, China, France, Germany, Netherlands, Czech Republic, Canada, and the USA).

References are available upon request.