

Adrien Trahan

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EDUCATION

- Software Engineering - Polytechnique Montreal - University (GPA of 3.91 /4) 2023 to present
- Natural Sciences - Collège Bois de Boulogne - Cegep (final cote of 33.937) 2021 to 2023
- Collège Saint-Sacrement - High School (final average of 91%) 2016 to 2021

SKILLS

- Proficient with JavaScript, CSS, React, Sveltekit, Swift, MongoDB
- Experience with: PostgreSQL, Microsoft SQL Server, Python, C++, Java, API GOOGLE, Git, npm

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 Association 2023 to 2024

- Implementation of 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 - 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 Milles-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.

EXPERIENCE - SCHOOL RELATED

VP Communications - Software and Computer Engineering Student Committee (Elected) 2024 à 2025

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

VP Integration – Computer Ingeneering and Software Engineering Commiteee **2023 to 2024**

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

PolyParty – Polytechnique Party Organisation Committee **2023 to 2024**

- Member of the organizing committee for parties with over 1000 attendees at Polytechnique.

FOUNDER – SOCIOBDEB **2022 to 2023**

- Founder of a committee that creates parties with over 500 attendees for Collège de Bois-de Boulogne.

PROJECTS & PERKS

Forward Forward Algorithm Implementation **2023**

- Built an AI library based on Geoffrey Hinton's Forward Forward Algorithm.
- ↳ Repo: <https://github.com/AdrienTrahan/ForwardForward>

SportsZone – Fullstack Project **2020 to 2021**

- Developed a comprehensive sports platform accessible via Android, iOS, and website interfaces.
- Utilized a tech stack including Node, Angular, Ionic, and MongoDB.
- ↳ Repo: <https://github.com/AdrienTrahan/SportsZone>

Row Jumper **2016**

- Managed the iOS app submission process for the App Store.

AWARDS & MENTIONS

- **Mention of excellence – PolyMTL** **2024**
 - **Judges' Favorite Award** **2020**
Received at HACKATOWN 2020 by PolyHx
 - **Hackathon Winner** **2019**
Won first place at Polytechnique Montreal with Collège Saint-Sacrement
 - **Summer's Programmer** **2018**
Won at Polytechnique's summer programming camp
 - **Hackathon Winner** **2017**
Won first place at Polytechnique Montreal with Collège Saint-Sacrement
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FIELDS OF INTEREST

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

References available upon request.