

EDUCATION

UNIVERSITY OF WATERLOO - BIOMEDICAL ENGINEERING

2026 - 2031

TURNER FENTON SECONDARY SCHOOL

2022-2026

- International Baccalaureate Diploma programme
 - HL Math, HL Biology, HL English, SL Physics, SL French, SL Global Politics
- IEP (Independent Education Plan)
 - Given to me since Grade 5 for being considered apart of the Enhanced Learning Class

AWARDS

- 3rd Place - HOSA Fall National Leadership Conference, Grade 11 (Medical Math)
- 30+ Medals - International Math Olympiads (American Math Olympiad, Singaporean Olympiads)
- Consistent perfect scores in UCMAS, national recognition for 6 years
- Given the opportunity of the Graduate-Level Neurotechnology Primer Course at Queen's University, as a high school student

Waterloo Contests

- Distinctions: CIMC (Gr. 9 & 10), CSMC (Gr. 11 & 12), Pascal, Cayley, Fermat
- Medal: Fryer | Distinctions: Galois
- Euclid Scores: Gr. 9 - 49 | Gr. 10 - 56

WORK INTEGRATED LEARNING EXPERIENCES

Internship at Zebra Technologies

2025

- Worked on various hardware/software projects related to biomedical engineering in a team of 7 interns.
- Presented these projects as solutions to Zebra's biggest issues to the employees.
- Was granted the opportunity to present these solutions to the chief executive team of Zebra.

HOSA Teaching Coordinator

2022 - 2026

- Educating +50 students on the fascinating world of medical innovations and the sciences behind the mathematics of medicine.
- Navigating students through innovative ideas and difficult concepts to prepare for the Fall and Summer Leadership Conferences.
- 3rd place in Fall Leadership Conference for HOSA in grade 11.

Summer Internship Program at Parkview Health (Indiana)

2026

- Selected as 1 of only 5 high school students in the past decade for the 2026 Parkview Summer Internship Program, a 10-week, full-time paid research placement typically reserved for university students.
- I'll work in medical research, contributing to real healthcare projects while developing professional and scientific skills.

Shadowing at Hospitals across India

2023

- Assisted in the surgery room with qualified surgeons such as Dr. Rajendra Trivedi (Gujarat's first neurosurgeon) and Dr Raj Patel (India's first robotic surgeon).
- Observed multiple spinal and neural surgeries.

President and Founder of Ontario Neuroscience Club

2024 - 2026

- Expanded the club from 5 friends to more than 50 students across Markham and Toronto, building a community where students learned neuroscience together and trained for competitions such as the International Brain Bee and International Youth Neuroscience Organization's neuroscience and neurotechnology challenges.

Chief Executive Officer (CEO) of Everyone STEM

2023 - PRESENT

- Lead an 11 person team that created 10+ courses for youth to build their knowledge in STEM + Coding areas that aren't typically taught in schools.
- Expanded this registered NPO from just a regional organization into an international one that reached over 400 students in 30+ different countries, and 5 schools across Canada.

Personal/Research Project: MRI Reader

2025

- Developed an AI-powered MRI Reader utilizing deep learning for real-time brain scan analysis and visualization.
- The tool detects abnormalities, performs 3D structure segmentation, and provides clinicians, patients, and researchers with faster, more accurate diagnostic insights.
- Mentored by multiple global physicians.

WORK INTEGRATED LEARNING EXPERIENCES

Personal/Research Project: Disease Detection System

2024

- Developed an AI Disease Detection System (97% accurate) that predicts 1-3 likely diseases from 300+ possibilities using age, gender, location, and symptoms.
- The system shows severity, matching symptoms, and brief disease descriptions.
- As the youngest attendee, I presented at an exclusive San Francisco conference, gaining feedback and 1,000+ users.

Personal/Research Project: Coding with an EEG Headset

2024

- Connected an EEG Muse headset and coded it so that whenever there is any muscle movement in my body, it would press the spacebar on my laptop; essentially allowing me to mimic the situation of paralysis patients and offer a potential solution.
- Reached and taught +500 people on how they can duplicate this project. (<https://youtu.be/RmzZJDpHN5w>).

Involvement at the Royal Canadian Air Cadets (132 Squadron)

2022 - 2026

- Through dedication and being an exemplary cadet I have achieved the rank of Sergeant.
- Also lead my own flight of around 50 cadets, assessing their drill and dressing.
- Additionally, I teach a classroom of 30 cadets about aviation while simultaneously teaching them discipline and the importance of it.

Badminton Coach and Player

2022 - 2025

- Part of the school's senior badminton team for the past 3 years.
- Coaching a team of around 30 athletes at Fernando's Badminton Academy from all ages, ranging from grade 5-12. Speciality in boys doubles.
- Contributed 108 volunteer hours as a coach across 2 years.

Consulting Project with Google

2023

- Provided the solution of "Google Trains" to help build communications between the sales team and Google employees.
- Developed an app that creates lessons about new Google products using personalized learning.
- Received idea validation from experts at Google and other major companies such as Apple.

Consulting Project with Microsoft

2024

- Worked alongside Microsoft to offer recommendations for artificial intelligence data centre cost and energy optimization.
- Presented the solution of deploying underwater, self-sustaining data centers with submerged servers that use ocean cooling and hydroelectric energy to reduce Microsoft's data-center costs by a significant amount.

Executive of Logistics at Math & Computing Competition Club

2024 - 2026

- As the Head of Logistics for the Math and Computing Club (MCC), I work to organize and plan events.
- Currently working to curate a Math-themed escape room; Designed a master-spreadsheet that effectively budgets the materials required.

Cancer Warrior Canada Foundation (Volunteer)

2023

- Recognized by Cancer Warrior Canada Foundation for contributing 35 volunteer hours during the 6th Annual Cancer Awareness and Fundraiser Gala in November 2023.
- Supported event logistics, coordination, and planning, demonstrating leadership, teamwork, and professionalism during a high-profile event attended by public officials, such as mayor Patrick Brown.

Facilitator at iLEAP Club (Volunteer)

2023 - 2024

- Helped lead iLEAP Club sessions on public speaking, communication, and leadership, contributing 62 volunteer hours
- Provided feedback, supported members as they prepared presentations, and helped international groups across Canada, Australia, and India participate confidently in activities.

IBMC - Turner Fenton Secondary School (Volunteer)

2025

- Contributed to Turner Fenton's IB Mentorship Conference (IBMC), an event designed to help incoming Grade 9 Pre-IB students transition into the program.
- Planned, and constructed a full interactive laser maze game room, combining design thinking and problem-solving to create an immersive experience that encouraged teamwork & curiosity for IB.