

ADAM TURAJ

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<https://adamturaj.com>



Objective

Motivated Mechatronics Engineering student seeking a Winter 2026 co-op to gain hands-on experience in engineering projects. Eager to apply skills in problem-solving, design, and analysis while contributing to a collaborative team environment and developing practical technical expertise.

Technical Skills

- Solidworks
- Altium
- AutoCAD
- C++
- Python

Projects

- EOS 3D – Custom Cantilevered 3D Printer
<https://github.com/AdamTuraj/EOS-3D>
- BLDC ESC – 25A, 8.4V BLDC Motor Controller
https://github.com/AdamTuraj/BLDC_ESC
- Hackboard & Hackpill – Microcontroller Boards
<https://github.com/AdamTuraj/Hackboard>
<https://github.com/AdamTuraj/Hackpill>

Skills

- Effective communicator
- Highly organized
- Strong interpersonal skills
- Team player
- Detail-oriented
- Self-motivated

Work Experience

FREELANCE PROGRAMMER

2021 – 2024

- Developed websites and chatbots clients using HTML, CSS, JavaScript, Python, and ReactJS, tailoring solutions to meet customer requirements.
- Collaborated with clients from planning through deployment, including work on a major project rewriting Disboard, contributing to the initial groundwork.
- Provided ongoing support and troubleshooting, ensuring smooth operation and high client satisfaction through clear and consistent communication.

Lifeguard and Lifesaving Instructor

2023 – Present

- Collaborated with team members to ensure a safe and enjoyable environment.
- Provided swift and efficient first aid.
- Taught Swim City levels 1-10, parent and tot classes, and adult classes, helping students develop valuable swimming skills and water safety.

DAIRY QUEEN CREW WORKER

2022 – 2023

- Coordinated with coworkers to ensure smooth business operations.
- Effectively communicated with customers to ensure orders were accurately fulfilled.
- Prepared chilled items with strong attention to detail according to customer orders.
- Handled stress with ease during busy shifts.

Education

- **University of Waterloo**
BASc, Honours Mechatronics Engineering
2025 – 2030

Current Coursework: Calculus 1, Chemistry, Digital Computation, Linear Algebra, Mechatronics Engineering

Member of Aero & Electrical Sub teams of Formula Electric

- **St Joseph High School**
2019 – 2025

Honor roll student 2023-2025
Recipient of Tech Award

Extra-Curricular Activities

ROBOTICS CLUB – Founder and Co-President, St Joseph High School
2023 – 2024

- Founded and led the club through coordination with vice-principles and supervising teacher.
- Designed and built projects such as a chess-playing robot and mini electric cars using Fusion 360 and additive manufacturing techniques.
- Organized and delivered lessons on JavaScript, C++, and Fusion 360, while fostering a supportive community for members to develop personal projects.

VARSITY VOLLEYBALL, St Joseph High School
2024

- Played as a middle blocker on the boys’ varsity team.
- Contributed to key plays and overall team performance, helping secure a finalist position in the regional division championship.

HOCKEY, NMHA & KMHA
2013 – 2025

- Progressed through B and C divisions to play at the House League A level, showing steady development over several seasons.
- Contributed to multiple tournament wins and acted as a team leader, motivating teammates and fostering collaboration.

Volunteer Experience

CALABOGIE MOTORSPORTS PARK
2025

- Assisted with track and facility upkeep, including weed trimming, and waste management, ensuring a clean and safe environment for staff and visitors.
- Set up and dismantled event infrastructure such as tents, signs, and equipment to support racing events.
- Monitored the entry gate, providing visitor assistance and maintaining security during events.

ST CECILIA CATHOLIC SCHOOL
2024

- Officiated matches during a girls’ volleyball tournament, ensuring fair play and consistent rule enforcement throughout the games.
- Maintained focus and quick decision-making under pressure, resolving disputes and keeping games on schedule.
- Collaborated with coaches, players, and event staff to maintain fair calls and mutual understanding.

LONG ISLAND AQUATIC CLUB
2022

- Assisted instructors in teaching swim lessons to children ages 3–12, helping students build confidence and develop foundational swimming skills.
- Supported lesson preparation by retrieving equipment from pool storage allowing for smooth class operations.