




ADAM TURAJ

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<https://adamturaj.com> 

Objective

Motivated Mechatronics Engineering student seeking a Fall 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
- Draw2Route – Svelte Frontend
<https://github.com/Jack-Brown12/draw2route>

Skills

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

Work Experience

FPGA Developer Intern - Ciena

January 2026 – April 2026

- Contribute to the design and verification of FPGA logic in SystemVerilog, targeting AMD, Intel, and Lattice platforms through the full development cycle.
- Implement UVM-based testbenches to validate module functionality and ensure timing, reliability, and coverage goals are met
- Perform technical documentation and datasheet analysis to support design reviews and cross-team collaboration.
- Utilize scripting languages such as Python, TCL, and Bash to automate build flows, simulation processes, and regression testing.

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.

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

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.