ANTHONY OZEROV

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OBJECTIVE

Engineering undergraduate student at McGill seeking work experience to apply and advance technical skills.

EDUCATION

Bachelor of Engineering - Electrical Engineering, McGill University — Expected 2028
3.98 GPA, W2025 TEAM Mentor for MATH 133 (Linear Algebra)

SKILLS

Programming	Python, C++, C
Design Tools	Altium Designer, STM32, Fusion 360
Languages	English and German fluency, intermediate French proficiency
Administration	Office 365, Google Suite, Jira

EXPERIENCE

Tesla — *California, USA*
Electrical Engineering Intern — May 2026 - August 2026

- Designed a test fixture for a revised power management product, saving 75,000$+ by reusing idle HV equipment from a decommissioned factory tester.
- Diagnosed the root causes of hardware and software issues on 86 failing autopilot car computers, communicating with diverse teams to implement quality-improving process changes
- Saved 30,000$+ by recovering false failures and charging defective devices back to suppliers
- Assisted in the thermal validation of a motor driver test board meant to simulate the load of multiple DC motors in parallel.

McGill Robotics — *Montreal, QC*

Team Captain — Aug 2026 - present

- Lead a design team of 200 engineering students, providing technical and administrative support to enable long-term success and excellence at international competitions
- Oversee a budget of 50,000$+, ensuring limited funds are optimally spent to provide members with world-class robotics experience
- Directly lead a 13 team executives, delegating tasks and facilitating communication between project groups

Project Lead — Aug 2025 - July 2026

- Responsible for planning integration of 6 main subsystems on the rover while meeting competition deadlines
- Coordinated with 12 division leads/team captains in order to allocate 15,000$+ budget effectively

Electrical Member — Sep 2024 - July 2025

- Designed and fabricated 4 STM32-based motor control PCBs in Altium to enable rover steering
- Developed firmware in C with STM32CubeIDE, integrating CANbus communication as well as looped quadrature encoder feedback processing

CNC Machine Shop Intern — Apr 2023 - Aug 2023
Euro Precision — *Montreal, QC*

- Programmed the initial roughing operation in G-Code for a machined part
- Performed small setups under the guidance of a senior machinist to prepare a cell for a new process