

ETHAN POWELL

e3powell@uwaterloo.ca, 226-989-3114, [LinkedIn](#)

RELEVANT SKILLS

- **CAD:** SolidWorks, Autodesk Fusion 360, Autodesk Inventor, AutoCAD, and Blender 3D for technical design and 3D visualization
- **Fabrication:** FDM 3D Printing, metal and wood fabrication
- **Programming:** Fundamental C++ for embedded systems
- **Other Software:** Microsoft Office Suite, Google Workspace, Slack

EXPERIENCE SUMMARY

Canadian National Track Cycling Team Athlete, Jan 2024 – Present, Cycling Canada, Milton, Ontario

- Balance 20+ hours of weekly high-performance training with full-time university studies, showcasing time management, discipline, and the ability to deliver under demanding schedules.
- Exercised rapid problem solving and team leadership in high-pressure competition, contributing to a bronze medal at the 2023 Junior World Championships and a Canadian national record in the Team Pursuit.

Competitive Cyclist, Jan 2025 – Aug 2025, TaG Cycling Race Team, Vancouver, British Columbia

- Took on leadership role by guiding and motivating teammates, fostering a supportive environment where individual strengths were harnessed for the collective success of the team.

Professional Cyclist, Jan 2024 – Dec 2024, Team EcoFlo Chronos, Leuze-en-Hainaut, Belgium

Sales Associate, Oct 2023 – Dec 2023, Ziggy's Cycle Sport, Kitchener, Ontario

- Guided customers in selecting the right product for their needs, resulting in higher customer satisfaction, repeat business, and strong sales performance.
- Sourced product and parts from vendors.

Instructor Lifeguard, Mar 2020 – Aug 2022, City of Kitchener, Kitchener, Ontario

- Taught swimming classes of up to 8 children, receiving positive parent feedback for breaking down complex stroke techniques into clear steps, while keeping students engaged and motivated.

PROJECTS

Custom Cycling Time Trial Armrests

- Considered limitations of material and manufacturing method to design a strong, functional part despite relatively weak material properties.
- Designed to comply with strict international sporting regulations.
- Utilized personal measurements to ensure maximum control and minimize airflow separation.

Race Bike Optimizations

- Independently built and maintained personal race bikes, focusing on performance enhancements which optimized aerodynamics, weight, rolling resistance, and drivetrain efficiency.

EDUCATION

Bachelor of Applied Science in Mechatronics Engineering

September 2025 – May 2023 University of Waterloo, Waterloo, Ontario

Ontario Secondary School Diploma

September 2019 – June 2023 Resurrection Catholic Secondary School, Kitchener, Ontario

PERSONAL ACHIEVEMENTS

- 2025 Elite Track Cycling Pan-Am Championships – Silver Medallist – Team Pursuit
- 2023 Junior Track Cycling World Champion – Points Race