

Eric Wu

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Waterloo, ON

EDUCATION

University of Waterloo

BASc, Honours Mechatronics Engineering

Waterloo, ON

2025 – June 2030

EXPERIENCE

VEX Robotics

Design and Build Lead

2022 – 2025

Calgary, AB

- Built competitive robots for team 3388C
- 2024 Alberta Provincial Champions, 2025 Design Award, multiple Tournament Finalists
- Gained foundational knowledge in build techniques, responsible for design and mechanical fundamentals of the robot
- Created custom laser-cut components and designed integrated subsystems using Fusion 360

Inspire Table Tennis Association (ITTA)

Co-Founder/Treasurer

2023 – 2025

Calgary, AB

- Co-Founded one of the largest table tennis organizations in Calgary, responsible for organizing regional tournaments averaging over 100+ competitors
- Managed in-and-out funds using Excel, calculating budgets for tournaments and capital goods
- Represented ITTA in monetary deals with local companies across Calgary, securing over \$3000 in sponsorship funding

Volunteer

Youth Central

2023 – 2025

Calgary, AB

- Dedicated 100+ volunteer hours in community events and activities across Calgary
- Manned help desks, providing logistical support at events with 50,000+ participants
- Assisted seniors with activities such as Bingo, ensuring safe transport and communication
- Streamlined event processes by assisting with set-ups and takedowns
- Maintained venue cleanliness during golf tournaments through responsible waste disposal
- Welcomed and advised newcomers from Asia and Europe, easing their integration into society

Table Tennis Coach

Calgary Junior Table Tennis Association

2022 – 2025

Calgary, AB

- Coached beginner-level athletes in table tennis fundamentals
- Led structured warm-up and cool-down drills
- Organized skill development through endurance training and practical game scenarios
- Reported quarterly on player strengths and weaknesses to parents

PROJECTS

X-Y Odometry/PID system for positional tracking

VEX Robotics

2025

Calgary, AB

Integrated Tri-Ball Shooter/Hang system

VEX Robotics

2024

Calgary, AB

Sound Speaker Design

PCB Design/Soldering

2025

Calgary, AB

SKILLS

Hardware: Odometry, PCB Design, soldering, 3D printing, Laser-cutting, hand tools

Software: Fusion 360, AutoCAD, SolidWorks, Python, C++

Certifications: Alberta Class 5 Driver License