

# Eric Wu

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Waterloo, ON

## EDUCATION

<b>University of Waterloo</b> <i>BASc, Honours Mechatronics Engineering</i>	Waterloo, ON 2025 – June 2030
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## EXPERIENCE

<b>VEX Robotics</b> <i>Design and Build Lead</i>	2022 – 2025 <i>Calgary, AB</i>
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- 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

<b>Inspire Table Tennis Association (ITTA)</b> <i>Co-Founder/Treasurer</i>	2023 – 2025 <i>Calgary, AB</i>
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- 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

<b>Volunteer</b> <i>Youth Central</i>	2023 – 2025 <i>Calgary, AB</i>
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- 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

<b>Table Tennis Coach</b> <i>Calgary Junior Table Tennis Association</i>	2022 – 2025 <i>Calgary, AB</i>
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- 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

<b>X-Y Odometry/PID system for positional tracking</b> <i>VEX Robotics</i>	2025 <i>Calgary, AB</i>
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<b>Integrated Tri-Ball Shooter/Hang system</b> <i>VEX Robotics</i>	2024 <i>Calgary, AB</i>
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<b>Sound Speaker Design</b> <i>PCB Design/Soldering</i>	2025 <i>Calgary, AB</i>
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## 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