

Academic Interests: Computer Systems and Architecture, Parallel Computing, Machine Learning, and Scientific Computing

Education

MASc Electrical and Computer Engineering

GPA: TBD

Supervisor: [Mark C. Jeffrey](#)Thesis: [TBD](#)

University of Toronto

2025 - Present

BESc Electrical and Computer Engineering

GPA: 88.76% (4.0)

University of Western Ontario

2021 - 2025

Professional Memberships

IEEE Student Member

2022 - Present

ACM Student Member

2025 - Present

Experience

Undergraduate Researcher [AILearn Lab](#)

May 2024 - Aug 2025

- Undergraduate researcher under Yimin Yang, working on closed form optimization for vision transformers.

Undergraduate Researcher [Frugal Biomedical Innovations Program](#)

Summer 2023

- Worked on cost-effective imaging tools for diagnosis in low resource settings (under NDA).

Intern [Fusion Next](#)

Summer 2022

- Worked on Android app development for the location based social media app Doweing.

Intern [Lin-Lab \(National Yang Ming University\)](#)

Summer 2019

- Interned under Dr. Shih-Chih Lin, assisting with research on non-cholinergic neuron activity in the basal forebrain.
- Built impedance measurement circuits used for in-vivo experiments.

Teaching/Mentorship

Mentor [FIRST Robotics Competition Team 4617](#)

Oct 2022 - May 2025

- Taught high school students in building, designing, and programming robots for the FIRST Robotics Competition.

Teaching Assistant [Western Engineering Summer Academy \(WESA\)](#)

July 2024

- Helped run a summer school course in arduino and C programming to secondary school students over the course of a week.

Workshop Teaching Assistant [Western University](#)

Fall 2021

- Helped run computer aided design (CAD) workshops for a first year engineering course, teaching around 50 students an introduction to CAD software.

Teaching Assistant [Taipei American School Summer School](#)

Summer 2020

- Assisted a robotics summer course at Taipei American School, where students worked in teams to complete electric go-karts.

Events / Volunteering

Canadian Engineering Competition	Mar 2024
<i>Participant</i>	Calgary, AB, Canada
Ontario Engineering Competition	Jan 2024
<i>Participant</i>	Kingston, ON, Canada
Western Engineering Competition	Jan 2024
<i>Participant</i>	London, ON, Canada
• Competed with a team of 4 at the Canadian Engineering Competition, qualified through placing first at the regional and institutional competitions.	
Western Engineering Ri3D	Jan 2024, Jan 2025
<i>Organizer</i>	London, ON, Canada
• Organized an annual event building a robot within 72 hours of the game rules being released	
Western Engineering Ri3D	Jan 2023
<i>Participant</i>	London, ON, Canada
• Organized an annual event building a robot within 72 hours of the game rules being released	
Western Open House	Mar and Nov 2023
<i>Volunteer</i>	London, ON, Canada
• Talked to prospective students about engineering programs at Western University.	
Hack The North	Oct 2023
<i>Participant</i>	Waterloo, ON, Canada
• Built a small project in a team of 3 over 48 hours	
FIRST Robotics Competition @ Western University	Mar 2023
<i>Volunteer</i>	London, ON, Canada
• Volunteer referee and robot inspector for the 2023 FRC Event at Western.	
SAE Aero Competition East	Mar 2023
<i>Participant</i>	Lakeland, FL, USA
• Competed as a team member of Western Aero Design.	
Hack Western 8	Nov 2021
<i>Participant</i>	London, ON, Canada
• Built a small project over 37 hours, winning 4th place overall as the only prize winning and top ranking solo team.	

Achievements / Awards

Edward S. Rogers Sr. Graduate Scholarships	Oct 2025
• Scholarship for U of T ECE graduate students (automatic consideration).	
Bill and Barbara Etherington Fellowship	May 2025
• Awarded to the top 4 Western ECE USRA applicants each year.	
Western Deans Honor List (with Distinction)	2022, 2023, 2024, 2025
• Achieved an average above 80% and no failed courses each year.	
NSERC Undergraduate Student Research Awards (USRA)	May 2024
• The NSERC awards over 3,000 students for undergraduate research work each year in Canada.	
Arthur S. Coveart Award	Nov 2023
• A merit-based award recognizing accomplishments of 3rd year ECE students.	

- Frugal Biomedical Innovations Summer Internship Award** May 2023
• An award sponsoring undergraduate summer research students at one of the Frugal Biomedical Innovations Projects.

- Western Admission Scholarship** Aug 2021
• Awarded to incoming students with a final admission average of 90% - 91.9%.

- TAS Ada Lovelace Leadership Award in CS/Robotics** Jun 2021
• An award recognising achievements in computer science and robotics through leadership of club activities.

Extracurriculars

Western Engineering FIRST

- Vice President Sep 2024 - April 2025
Member Sep 2022 - April 2025

Western IEEE Student Branch

- Member Sep 2022 - May 2025

Western Engineering SAE Aero Design

- Junior PADA Lead Sep 2022 - Sep 2023

Raid Zero (First Robotics Competition Team 4253)

- Co-Captain Jun 2020 - Jun 2021
Head of Programming Jun 2019 - Jun 2021
Member Oct 2017 - Jun 2021

TAS_Taipei (IGEM High School track team)

- Software and Modeling Lead Nov 2019 - Nov 2020