

Andy Li

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Education

University of Toronto

Bachelor of Applied Science, Electrical Engineering

Toronto, ON, Canada

September 2023 – May 2028

Merivale High School

High School Diploma, International Baccalaureate Diploma

Ottawa, ON, Canada

September 2019 – June 2023

Skills

C, Python, Javascript, MATLAB, AutoCAD, Microsoft Excel

EXPERIENCE

University of Toronto Aerospace Team | Data Processing Team Member

September 2023 – Present

- Working in a team to develop a sensor model for a satellite to conduct agricultural mapping
- Researching scanning systems to determine sensor model for satellite camera
- Researching optics and satellite imaging systems for use in modeling

UofT Engineering Strategies and Practices Course I & II | Design Director

September 2023 – May 2024

- Collaborated in teams of 5 and 7 to design an improved navigation system and garage entrance respectively
- Managed the design process with time management abilities and frequent communication with teammates
- Conducted research, status reports, Gantt charts, financial reports, data entry, and client meeting scheduling
- Generated over 100 solutions and created technical reports on the design process highlighting 3 final designs
- Created prototype designs and graphics in AutoCAD and Procreate

Art Club President | Merivale High School

September 2022 – June 2023

- Collaborated with school staff and external club executives to organize and schedule small to school-wide events
- Moderated club goals, arranged weekly meetings, and managed task delegation
- Marketed club through social media, posters, and in-person communication, increasing club population by 300%
- Managed club budget and finances and created a digital art business to fund club activities

Youth Dream Canada | Piano Mentor

August 2021 – November 2021

- Organized weekly appointments with YDC staff and student guardians to teach piano playing and music theory
- Taught 2 beginner-level students 2 booklets of content and advanced them in 2 levels within 3 months
- Scheduled lessons and provided status reports every week to YDC staff and guardians

Éducation Internationale du CECCE | Teaching Assistant

July 2019 – August 2019

- Assisted in customer service, reception, and organization for events of up to 40 people
 - Assisted in organizing and teaching Mandarin to classes of up to 20 students
 - Communicated needs and problems to supervisors in a timely fashion
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PROJECTS

GenAI Genesis Hackathon

March 2024

- Winner of Best AI in Accessibility at Canada's largest AI hackathon
- Participated in a 24 hour hackathon with a team of 3 to design a head-worn device that provides an improved process of navigation for the visually impaired
- Device plays varying noise and explains surroundings to user depending on their distance to obstacles
- Integrated hardware (Arduino, Raspberry Pi) and software (MongoDB, OpenCV, Google Gemini) using Python