

# Aidan Wang

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## EDUCATION

### University of Toronto

*Bachelor of Science in Computer Science, GPA: 4.00*

Toronto, ON

Sept. 2025 – Apr. 2029

### William Lyon Mackenzie Collegiate Institute

*Math and Computer Science Program, GPA: 97%*

Toronto, ON

Sept. 2021 – June 2025

## RESEARCH EXPERIENCE

### University of Toronto

*Undergraduate Research Assistant*

Toronto, ON

Oct. 2025 – Present

- Supervisor: Yang Xu
- Conducted computational linguistics research exploring novel word combinations in adults, children, and pets
- Applied word2vec and GloVe vector language models to decode novel compound meaning
- Accepted to present at Cognitive Science Research Community (CoRC) Undergraduate Research Symposium 2026

### Sunnybrook Research Institute

*High School Intern*

Toronto, ON

July 2024 – Aug. 2024

- Supervisors: David Martin and Meaghan O'Reilly
- Selected out of 300+ applicants for Focused Ultrasound High School Summer Research Program
- Implemented convolutional neural networks (CNNs) with U-NET architecture in TensorFlow
- Applied human CT-trained U-NET segmentation model to pig CTs in live experiments for spinal cord therapy
- Reduced 3D vertebrae model generation time from 3+ hours to 5 minutes

## CLUBS & COMMUNITY

### North American Computational Linguistics Olympiad (NACLO)

*Program Committee Member*

Remote

Nov. 2025 – Present

- Wrote and test-solved contest problems on linguistics and language technologies
- Assisted in hosting the NACLO at the University of Toronto for local high school students

### University of Toronto Machine Intelligence Student Team (UTMIST)

*Software Developer*

Toronto, ON

Sept. 2025 – Present

- Project: Post-Stroke Rehabilitation Device
- Collaborating with Neurotech UofT to design a device restoring fine hand movement in stroke patients
- Developed a data pre-processing pipeline for EMG signal feature extraction to train machine learning models
- Presented work with the software sub-team at quarterly executive meeting

## AWARDS

**Clifton Graham Roberts Admission Award**, Victoria College – University of Toronto 2025

**Gold Medal**, North American Computational Linguistics Olympiad (NACLO) 2025

**Bronze Medal & Honorable Mention**, International Linguistics Olympiad (IOL) 2022, 2024, 2025

**Honour Roll**, Canadian Computing Competition (CCC) 2024

## SKILLS

**Languages:** Python, Java, JavaScript, HTML/CSS

**Libraries:** TensorFlow, PyTorch, NumPy, Matplotlib, Pandas