

Aidan Wang

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EDUCATION

University of Toronto <i>Bachelor of Science in Computer Science, GPA: 4.00</i>	Toronto, ON <i>Sept. 2025 – Apr. 2029</i>
William Lyon Mackenzie Collegiate Institute <i>Math and Computer Science Program, GPA: 97%</i>	Toronto, ON <i>Sept. 2021 – June 2025</i>

RESEARCH EXPERIENCE

University of Toronto <i>Undergraduate Research Assistant</i>	Toronto, ON <i>Oct. 2025 – Present</i>
<ul style="list-style-type: none">• <u>Supervisor:</u> 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 <i>High School Intern</i>	Toronto, ON <i>July 2024 – Aug. 2024</i>
<ul style="list-style-type: none">• <u>Supervisors:</u> 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) <i>Program Committee Member</i>	Remote <i>Nov. 2025 – Present</i>
<ul style="list-style-type: none">• 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) <i>Software Developer</i>	Toronto, ON <i>Sept. 2025 – Present</i>
<ul style="list-style-type: none">• <u>Project:</u> 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