

Lauren Willson

(647) 551-1042 | Toronto, ON | llw67@cornell.edu

Education

CORNELL UNIVERSITY - COLLEGE OF ENGINEERING | Ithaca, NY *Sept. 2024-Present*

- Pursuing a Bachelor of Science in Biomedical Engineering – 4.0 GPA
- Related Coursework: Investigative Biology Laboratory, Cell and Developmental Biology, Biomaterials for the Skeletal System, Engineering General Chemistry, Multivariable Calculus, Calculus 2

UNIVERSITY OF TORONTO SCHOOLS | Toronto, ON *Sept. 2017- June 2024*

- Class of 1973 Award, Ethan Wissell Memorial Award for Science and Athletics, AP Scholar with Distinction

Experience

CORNELL EMERGENCY MEDICAL SERVICES | Ithaca, NY *Jan. 2025-Present*

- Volunteer as a part of a student-run first response emergency medical service supporting the Cornell community
- Work closely within a squad environment to provide emergency medical care at the basic life support level

SENSTECH ENGINEERING PROJECT TEAM | Wet Lab Team Member, Ithaca, NY *Oct. 2024-Present*

- Collaborate in a team environment to develop a continuous biosensor device capable of measuring creatinine levels for applications in the diagnosis of kidney failure
- Work to design an aptamer-based optical biosensor to compete in the International SensUs Competition

THE HOSPITAL FOR SICK CHILDREN (SickKids) | Summer Research Student, Toronto, ON *Summer 2023 & 2024*

- Worked in the Infectious Disease Department across multiple areas of research including involvement in a Pediatric Mask study, Allergy Delabelling study, and Group A Streptococcus study
- Researched for literary reviews, developed standard operating procedure (SOP) documents, worked with Epic and internal software, collected research data on and worked with participants

Extracurriculars

STUDENT COUNCIL REPRESENTATIVE | Toronto, ON *Sept. 2019-June 2024*

- Elected as grade representative from grades 8-12 to act on behalf of my peers on the Student Council.
- Worked with administration and fellow council members to address concerns in the school community and implement new policies.

GIRLS IN TECH CONFERENCE EXECUTIVE | Toronto, ON *Sept. 2023- June 2024*

- Helped to organize and run Toronto's annual Girls in Tech conference that gives self-identified girls from grades 6-8 the opportunity to participate in exciting tech workshops, connect with female mentors and like-minded girls, and explore possible career paths in the tech space

VARSITY TENNIS PLAYER | Nationally Ranked Player, Toronto, ON *2020- 2024*

- High school Varsity Captain - MVP Award Winner (2023, 2024), Athlete of the Year (2024)
- Volunteered with the Girls Set Match program to provide coaching and guidance to young female athletes

THE HOSPITAL FOR SICK CHILDREN (SickKids) | Child Life Volunteer, Toronto, ON *Summer 2022*

- Volunteered in the Multi-Organ Transplant Unit at SickKids for over 60 hours supporting patients and staff.
- Primary responsibility was to interact and provide care for patients before and after their primary care

Skills

-
- **Wet Lab Experience** → Experience in pipetting, microscopy, gel electrophoresis, and spectroscopy
 - **Coding Experience** → Knowledge of R, Python, Java, HTML, and C++
 - **Certifications** → BLS and Standard First Aid