

ADAM TABACK

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<https://adamrt27.github.io/>

OBJECTIVE

To obtain a research position in the Biomedical field.

EDUCATION

University of Toronto

Engineering Science

Overall GPA: 3.95

Expected Graduation May 2026

University of Toronto Schools

June 2022

RESEARCH EXPERIENCE

Using Machine Learning to Analyze Placentae Images for Preeclampsia

2021 - 2022

Volunteer Researcher with Professor Brian Cox

University of Toronto

- Worked with image data to classify Preeclamptic Placentae using machine learning techniques
- Used TensorFlow and Keras as well as SciNet High Performance Computing Clusters

Exploring Chemical Buffers as a Solution to Ocean Acidification

2021

Science Fair Project

University of Toronto Schools

COMPUTING SKILLS

Computer Languages

Python, Java, MATLAB

Operating Systems

Mac OS, Windows, Linux

Packages

TensorFlow, Keras, Pandas, Matplotlib

Tools

L^AT_EX, Microsoft Office (Word, Excel, PowerPoint, Outlook)

HONOURS AND AWARDS

School Awards and Scholarships

- Dean's List Fall 2022
- Faculty Of Applied Science And Engineering Admission Scholarship, University of Toronto
- The John David Lee Memorial Awards in Music, University of Toronto Schools
- Queen's University Chancellor's Scholarship (declined)
- Queen's University W.W. King Scholarship (declined)

Violin Competitions

- Canadian Music Competition Gold Medal, 2018
- Various awards from regional music festivals

Science Fair

- Toronto Science Fair, 2021
 - Gold Medal
 - University of Toronto Scarborough Chemistry Award
 - Canadian Meteorological and Oceanographic Society Award

- Canada Wide Science Fair, 2021
 - Bronze Medal

WORK EXPERIENCE

Kitchen Table

February 2022 - September 2022

Cashier

- Duties included cashier, grocery clerk and cleaning
- Customer service skills, including handling interactions with difficult customers

Loblaws

September 2021 - January 2022

Grocery Clerk

- Stocking shelves and customer service skills

VOLUNTEER EXPERIENCE

Violin Tutor

2021 - 2022

University of Toronto Schools

- Mentored younger students, teaching them to play violin

Strings Ensemble Organizer

2021 - 2022

University of Toronto Schools

- Organized rehearsals, selected repertoire, helped lead rehearsals, performed as a soloist

Violin Performer

2017 - 2019

Various Retirement Homes

- Organized and played in numerous volunteer concerts for residents of retirement homes such as Baycrest

Junior Orchestra Helper

2016 - 2017

Royal Conservatory of Music

- Helped young children learn to play violin in an orchestra
- Organized concerts, conducted orchestra and lead sectional rehearsals

INTERESTS

Violin, Guitar, Composition, Running, Programming, Camping