

# ADAM TABACK

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## OBJECTIVE

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To obtain a research position in the Biomedical field.

## EDUCATION

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### University of Toronto

Engineering Science

Overall GPA: 3.95

*Expected Graduation May 2026*

### University of Toronto Schools

*June 2022*

## RESEARCH EXPERIENCE

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### 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

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### Computer Languages

Python, Java, MATLAB

### Operating Systems

Mac OS, Windows, Linux

### Packages

TensorFlow, Keras, Pandas, Matplotlib

### Tools

L<sup>A</sup>T<sub>E</sub>X, Microsoft Office (Word, Excel, PowerPoint, Outlook)

## HONOURS AND AWARDS

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### 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

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### **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

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### **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

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Violin, Guitar, Composition, Running, Programming, Camping