

# ADAM TABACK

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

## OBJECTIVE

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To obtain an internship in technology, particularly in computer hardware or software.

## EDUCATION

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**University of Toronto**

*Expected Graduation May 2026*

Electrical and Computer Engineering, cGPA: 3.89

## RESEARCH EXPERIENCE

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**Risk Stratification for Improved Preeclampsia Prediction by Leveraging Unsupervised Machine Learning** Summer 2023

*Summer Researcher with Professor Brian Cox*

*University of Toronto*

- Used clustering techniques to find subtypes of Preeclampsia and Pregnancy for better prediction and understanding of disease
- Created a novel workflow utilizing subsets of data and Ensemble Clustering to reduce bias when creating groupings
- Used Scikit-Learn and Pandas, as well as SciNet High Performance Computing Clusters

**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

## COMPUTING SKILLS

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**Computer Languages**

Python, C, R

**Operating Systems**

Linux, Mac OS, Windows

**Packages**

Scikit-Learn, 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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- University of Toronto Excellence Award - HLS, 2023
- Engineering Science Research Opportunities Program - UofT (declined), 2023
- Undergraduate Research Opportunity Program - Physiology (declined), 2023

## WORK EXPERIENCE

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- **Teaching Assistant** - ESC180 (Introduction to Computer Programming) *Fall 2023*
- **Cashier** - Kitchen Table *February - September 2022*
- **Grocery Clerk** - Loblaws *September 2021 - January 2022*

## INTERESTS/COMMITMENTS

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Food Bank Volunteer (Fort York Food Bank), Hart House Choir, Guitar, Bass, Violin