

## Education

### University of Toronto

– Toronto, Canada, Sept 2023 – Present

Computer Science Specialist, Mathematics Minor | GPA: 3.81/4

Awards:

- Archibald MacMurchy Memorial Scholarship
- Dean's List Scholar 2023-2024

### Lycée Français de New York

– New York, United States, Sept 2019 – Jun 2023

Option Internationale Baccalauréat – Specialization Mathematics and Computer Science|

Très Bien Avec Félicitations du Jury

- Computer Science Prize 2022

## Skills

**Technical Skills:** Python, JavaScript, Java, HTML, CSS, SQL

**Tools & Services:** Git, Firebase, Microsoft 365

**Design Methods:** UML diagrams, Sequence Diagrams, Design Patterns, Clean Architecture

**Language Skills:** English (Native), French (Fluent), Mandarin (Intermediate)

## Projects

### **Ripple: Suno Playlist Extender**

JavaScript (React), Python (Flask), HTML, CSS

- Developed a full stack web application that allows users to extend their Spotify playlists by AI generating new music using Suno Ai.
- Used Spotify and Suno APIs to fetch playlist data and generate music
- Created a backend server in Python using Flask to handle HTTP requests
- Designed a user interface using React JS, HTML, and CSS
- Used Firebase to handle user authentication and database management

### **Error Rate predictor of learning models**

Python (Pandas, Statsmodels API)

- Used Pandas, Statsmodels API to predict the error rate of predictions on conflict escalation made by xgboost, ffnn and transformer models
- Used Multiple Linear regression to predict error rate
- Performed Forward and Backwards Selection to create the best model
- Analyzed the Train/Test performance of different model

## Competitions

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- Participated in Concours Castor Informatique national french coding contest, 2023
  - Highest Placement in Lycée Français de New York
- Participated in Concours Kangourou national French math contest, 2023
  - Top 5% globally, Highest Placement in Lycée Français de New York
- Participated in MATH.en.JEANS Math contest with other North American French schools, 2023
- Participated in Nuit du Code Hackathon, 2023
- Participated in Nuit du Code Hackathon, 2020
- Participated in MakeUofT Hackathon, 2024

## Experience

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### Mansfield Outdoor Center

–Ontario, Canada, June 2022 - August 2023

#### Senior Camp Counselor

–Worked over 2 summers

- Lived and worked on site, developed leadership and team building experience
- Collaborated with my fellow counsellors to create dynamic fun experiences between multiple camp groups
- Maintained attendance sheets for my campers, worked sign-in/sign-out desk, completed and handled incident reports with parents
- Mentored several Junior Counselors and LITs (Leaders in Training)
- Assisted in running the LIT program

## Leadership / Extracurricular

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### Harvard Model Congress

–Boston, United States Sept 2022 – Feb 2023

- 4-day competition that took place in Boston, in February 2023. 2 full day committee meetings, along with full house debates and voting
- Attended weekly preparation sessions during the school year of 2022-2023 to learn about debate, as well as American current events

### Lycée Français de New York Math Team

–New York, United States Sept 2020 – Jun 2023

- Attended weekly sessions along with other selected students to learn new mathematical concepts, represent our school in contests, and simulate research

### Taylor Residence House Treasurer

–Toronto, Canada Sept 2023 – Apr 2024

- Attended monthly University College General Meetings and biannual University College Treasurer meetings
- Managed cheques for my house and repaying residents for house expenses

### Recognized Study Group Co-Leader

–Toronto, Canada Jan 2024 – Apr 2024

- Ran weekly study sessions for members of my RSG, along with my co-leader, in which we studied material for MAT157, Analysis I.