

DENALI TRAN-LE

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Education

McGill University

Bachelor of Science in Honours Mathematics and Computer Science

Expected Graduation: May 2028

Montreal, QC

GPA: 3.81/4.00

Leadership & Team Experience

McGill University & Mila - Quebec AI Institute

2026 BMO Responsible AI Junior Scholar

May 2026 - August 2026 (Ongoing)

Montreal, QC

- Awarded **1 of 4 2026 BMO Responsible AI Research Awards**, given to McGill undergraduates pursuing interdisciplinary AI research.
- Researching a **safety-level evaluation of LLMs** to detect where and how harms emerge and persist in LLMs, supervised by Dr. Shalaleh Rismani, Prof. Jackie Cheung, Prof. Jin Guo, and Prof. Eran Tal.
- Member of the McGill NLP Group and McGill Software Technology Lab.

The Centre for Media, Technology and Democracy

Youth Delegate for Gen(Z)AI: Canada's National Youth Assembly on AI

November 2025 - May 2026

Canada

- Selected to be **1 of 100** total young Canadians (17-23) to convene together on how AI should be developed, deployed, and regulated safely.
- Heard from industry experts on chatbots, information integrity, data privacy, and age assurance and discuss what exact issues are the most pressing, and then develop policy recommendations.
- Presented findings in a **final report** to government policymakers.

Projects

Rocket Trajectory Simulator | *Source Code*

Python | Matplotlib

- Created a program that models the **altitude**, **velocity**, and **drag** of a rocket given specifications, taking into account **temperature**, **air density**, **pressure**, and **gravity** at every point
- Utilized Python for calculations and Matplotlib for graphs

ML Tennis Match Predictor | *Source Code*

scikit-learn | Pandas

- Created an ATP Tennis Match predictor using a Random Forest Classifier in scikit-learn.
- Trained model on all ATP matches from 2020-2024, achieving an accuracy of 0.630.
- Used **Pandas** for data processing and **scikit-learn** for ML.

Kinematics of Legend of Zelda: Tears of the Kingdom | *Slides*

- Collected in-game movement data, plotted it, and then curve fit to obtain equations of motion.
- Predicted values from equations motion were **highly accurate** against observed data.

Hospital Waiting Room Application | *Source Code | Website*

React | TypeScript

- Created a website for hospital providers to **record patients** in the waiting room with their **triage** and **symptoms**.
- Providers can **update** triage and status of any patient and average wait time for all patients
- Patients can log into the system and view their **triage**, **status**, **estimated wait time**, which **step** of the ED Patient Journey they are in, and to **update their symptoms** in real time.
- Used **React** and **Chakra UI** for frontend, and **TypeScript** for backend

Technical Skills & Activities

Languages: Python, Java, C++, HTML, CSS, JavaScript, TypeScript

Developer Tools: PyCharm, IntelliJ, VSCode, Git, Bash

Libraries/Frameworks: Matplotlib, p5.js, Processing 4, React, Chakra UI, scikit-learn, Pandas

Activities: McGill Symphonic Band, VP External for McGill Trivia