

Alvina Yang

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EDUCATION

University of Toronto St. George

April 2026 (expected)

B.Sc. Computer Science

Toronto, ON

Elmwood School

June 2022

International Baccalaureate Diploma

Ottawa, ON

COURSEWORK

Courses: Computer Organization, Theory of Computation, System Tools & Programming, Software Design, Databases, Intro to Programming I, Intro to Programming II

Awards & Scholarships: Timothy P. Morton Scholarship (\$30,000+), Lieutenant Governor's Award

SKILLS

Skills: Python, Java, HTML, CSS, JavaScript/TypeScript, NumPy, Scikit-learn, Tensorflow, OpenCV, PyTorch, Pandas, Flutter/Dart, VB.Net, C, C#, C++, R, SQL, Ruby, AWS, Assembly, PHP, Three.js, Ruby, Figma, Blender, L^AT_EX

Certifications: IBM AI Engineering 2024, Stanford Machine Learning Specialization 2023, Udemy Flutter and Dart Certification 2022, Udemy Deep Learning and Neural Networks Certification 2023

PROJECTS

🔗 **HelloRemi** | *React, Three.js, Python, Cohere API, Tailwind CSS, Kintone, Arduino UNO*

Jan. 2024

- Reminiscence therapy tool for dementia patients, leveraging **Cohere API** for story generation in familiar voices.
- Integrated with **Arduino** for interactive story playback through a speaker system and buttons.
- Awarded **1st Place** in UofT Hacks, RBC Category

🔗 **AI Playground** | *Java, Deep Java Library (DJI), JavaFX, MacOS, IntelliJ, GitHub*

Sept. 2023

- Leveraged the **Deep Java Learning** to create a platform in a team of 6 for decision boundary visualization.
- Platform allows users to customize data sets and parameters to demonstrate impact on the boundary.

✂️ **3D Personal Website** | *React, Three.js, Blender, Tailwind CSS, Figma, JavaScript*

Sept. 2023

- Implemented a 3D personal portfolio website using **Blender** and **Three.js**.

🔗 **musicGenerator** | *Python, Keras, music21 Library, MacOS, GitHub*

Aug. 2023

- Developed a deep learning model using **LSTM neural networks** to generate original lo-fi music compositions.

EXPERIENCE

Front-End Developer | *Bar404*

Jul. 2023 – Sept. 2023

- Collaborated with Bar404's owners to redesign a website that encapsulates the high-end ambiance of the speakeasy.
- Implemented reservation booking, menu, and gallery features using **HTML/CSS** and **JavaScript** animations.

Co-founder & Director | *JAY Learning Center*

2019 – Present

- Co-Founded a non-profit debate learning center with **500+ students** and generating **\$15,000** in revenue.
- Oversaw new developments and instructed British Parliamentary Style debate for 6+ years

EXTRA CURRICULARS

Computer Vision Engineer | *U of T Robotics Association's Autonomous Rover Team (ART)*

Sept. 2023 – Present

- Used **Python**, **Pytorch**, and **OpenCV** to detect any obstacles an autonomous robot may face.
- Collaborated on image processing, depth/object recognition with advanced neural networks and data tools.

Industry Relations Coordinator | *U of T Machine Intelligence Student Team (UTMIST)*

Sept. 2023 – Present

- Collaborated with industry figures to enhance the quality and relevance of events by securing partnerships.

Competition Director | *U of T Engineering Competitions (UTEK)*

Sept. 2023 – Present

- Managed the annual UofT Engineering Debate competition, overseeing events and providing training materials.

Events Chair | *U of T Scientista (Women in STEM)*

Sept. 2023 – Present

- **1 out of 50** applicants chosen to plan and execute all events for the club.