

Danelle D'Souza |

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EDUCATION

University of Toronto (BASc – Computer Engineering)

Expected Graduation 2026

- Received the Dean's Merit Award and Edward S. Rogers Sr. Admission scholarship
- Relevant courses: Computer Fundamentals (C programming), Engineering Strategies and Practice I and II

SKILLS

- **Software/Programming Languages:** Python; C; C++; Verilog; HTML; CSS; JavaScript MATLAB; GitHub; Docker; Microsoft Office; Figma; Logisim; Intel Quartus Prime
- **Skills:** Organisation; passion for learning; planning; verbal and written communication; problem-solving; time management; teamwork; customer service; working well under pressure; detail-oriented

EXTRA-CURRICULAR HIGHLIGHTS

Institute for Electrical & Electronics Engineers (IEEE UofT) – Logistics Associate

Apr. 2023 – Present

- Working with a small team of students to plan the logistics of various events, such as hackathons, workshops, and professional development events, with upwards of 250 attendees
- Organizing information about merchandise, services, and other goods utilizing spreadsheets to ensure all events remain within budget
- Assisting with events on-the-day of to ensure they run smoothly

Electrical & Computer Engineering (ECE) Club – Academic Director

Aug. 2023 – Present

- Maintaining proactive communication with all class representatives under the ECE department to ensure efficient resolution of academic issues, such as exam time conflicts and course-related grievances
- Collaborating with faculty, course coordinators, and the ECE Associate Chair of Undergraduate Studies, in addition to representing absent ECE Class Representatives at faculty meetings when necessary
- Actively participating in the Academic Advocacy Committee, administration of course feedback, and contributing to the development of a centralized database of course feedback

Robotics for Space Exploration (RSX) – Software Team

Sept. 2022 – Dec 2022

- Worked with a team of other students at the University of Toronto to create a Mars rover
- Completed onboarding training and learned the basics of ROS, C, and Gazebo

WORK EXPERIENCE

Engineering Outreach (UofT) – Program Facilitator & Content Specialist

May 2023 – Aug. 2023

- Developed a week-long hardware course for students in grades 11 and 12, focused on the basics of Arduino, C++, and the engineering design process and their real-world uses alongside one other facilitator
- Created teaching materials such as slides, code-along materials on Google Colab, and prototypes for six projects
- Taught and assisted classes (my own, as well as wind engineering and aerospace courses) of up to 24 students for six weeks

Reitmans – Sales Associate

Aug. 2021 – Aug. 2022

- Aided in solving any technical difficulties that arose with online orders at our store
- Worked with a team to provide personalized and attentive customer service to 100+ customers per day
- Maintained knowledge of new up to 30 new products arriving weekly and ongoing sales promotions

PROJECT EXPERIENCE

Hackathon Projects – Miscellaneous

Oct. 2022 – Present

- Journa (HTML, CSS, JavaScript), Productive Pet (HTML, CSS, JavaScript), Morsepad (Arduino, C++), SymptoDoc (HTML, CSS, Python, Cohere API, Google Places API)