

Meredith Ming Ying Gladish

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SUMMARY

Enthusiastic engineering science student at the University of Toronto, interested in biomedical research and its technological applications for improving quality of life. Proficient in Python, C, and MATLAB, and eager to learn more through new and valuable experiences.

EDUCATION

Bachelor of Applied Science and Engineering (B.A.Sc) in Engineering science + PEY Co-op

Toronto, ON

University of Toronto

09/2022 – 04/2027

- Intended major in Biomedical Engineering with a minor in Artificial Intelligence.
- Relevant courses in Calculus I & II, Introduction to Computer Programming (Python), Computer Algorithms and Data Structures (C), Engineering Mathematics and Computation (MATLAB), Fundamentals of Electric Circuits, Praxis Design courses, Human Physiology I, Bioethics: AI, Biology, Engineering.
- Extracurriculars: University of Toronto Robotics Association – Autonomous Rover Team (ROS), Silhouettes Dance Company, Victoria Environmental Fashion Show (VEFs), Club for Biomedical Engineering (general member)

University of Toronto Schools

09/2018 – 06/2022

- Honour Roll.
- Extra-curriculars: DECA, Hemoglobal Club, Graduation Committee, SHOW, The Twig (Yearbook), Junior Varsity Volleyball, Ski & Snowboard Team.

SKILLS

- Programming: Python, C, MATLAB, Arduino, SystemVerilog
- Hardware: Circuit design, Digital logic
- Detail-oriented, problem-solving, creative
- Openminded, collaboration, resilience

EXPERIENCE

Cashier & Barista

Toronto, ON

Whale Juice & Blends

08/2021 – 08/2022

- Resolved customer conflicts and handled orders using a POS machine (including cash purchases).
- Prepared drinks/toppings in a fast-paced environment, crafted beverages.
- Regulated product freshness and store cleanliness, taking on responsibilities to cut and restock fruits and other products, alongside washing and mopping to
- keep facilities clean.
- Responsible for opening and closing the store.

Project Member in Entrepreneurship

Toronto, ON

Junior Achievement Company Program

10/2018 – 05/2021

- Worked in groups of 10-20 high school students to create and sell products.
- Learned entrepreneurial tools through placements in production, marketing, and sales.
- Participated in team meetings and collaborated with other students, advisors, and organizations.
- Practiced creativity and innovation to tackle common problems.

CSIA Level 1 Ski Instructor

Toronto Ski Club

Collingwood, ON

12/2018 – 03/2020

- Formulated and taught detailed lesson plans for young, new skiers.
- Observed and analyzed students' skiing to determine progress, improvement, and learning abilities.
- Adapted activities to focus on students' areas of improvement, while maintaining a fun and engaging environment.
- Worked independently and in collaboration with other instructors to manage student groups and complete final report cards.

CO-CURRICULARS

Robot Operating System (ROS) Team Member

University of Toronto Robotics Association – Autonomous Rover Team (UTRA ART)

Toronto, ON

08/2023 – Present

- Partook in the construction of an autonomous rover, able to perform functions such as navigation and environment manipulation.
- Focused on the use of process sensors and motor commands to move the robot through simulations and in-person.
- Developed software-building skills through Robot Operating System (ROS) Noetic on Linux.

Marketing Team Member

Toronto Health Datathon

Toronto, ON

11/2023 – Present

- Designed sponsorship decks, social media posts, and website material for promotion.
- Communicated with team leads on progress, plans, and inquiries for assignments.
- Will work with the THD team, event sponsors, and panelists to host a healthcare and AI datathon for graduate students and professionals taking place in late February.

Dance Team Member

Silhouettes Dance Company

Toronto, ON

10/2022 - Present

- Participated in 4+ dances, taught and practiced weekly until the final Showcase.
- Gained discipline through training in classes and individually.
- Managed time, organizing and preparing for changes in rehearsals and increased time-commitments at the end of the year.

Writtens Team Member

Distributive Education Clubs of America (DECA), Toronto, ON

Toronto, ON

10/2019 – 06/2021

- Developed marketing plans for local businesses, based upon research from distributed surveys, interviews, and online documents and articles.
- Wrote detailed reports and delivered presentations in a competitive environment.
- Gained leadership and communication skills through active meeting participation.
- Top 6 for Buying and Merchandising Operations Research (BMOR) in Ontario DECA twice, Finalist in the International Career Development Conference (ICDC) 2021

PROJECTS

Wrote an image seam-carving program and autocomplete search query program in C.

Wrote a research proposal on Lion's Mane mushrooms to treat Alzheimer's Disease for Scinapse 2024 (USCC).

Remade a version of Gomoku and a Semantic Similarity finder in Python.

Partook in RSX Seek, creating a rover, and MakeUofT, creating a 'Perfect Pitch' video game.

Researched, prototyped, and wrote a report on a nurdle-collection process in a team environment for ESC102.

Researched hemoglobin diseases for a report taught to grade 10s at the University of Toronto Schools.