S. Nazifa Tasnia

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SUMMARY OF QUALIFICATIONS

- Currently a 5th year Mechatronics Engineering Student at Toronto Metropolitan University with strong engineering problem solving and communicating skills developed through academic coursework and projects.
- Excellent interpersonal and analytical skills resulting from work experience in project management.

Technical Skills: Python | SOLIDWORKS | C (programming language) | Java | MATLAB | Alteryx | Tableau

EDUCATION

Bachelor of Engineering- Mechanical Engineering (specialization in Mechatronics)   Sept 2020 – Exp. May 2025

Toronto Metropolitan University (Formerly Ryerson University)

Honours and Recognition: Dean's List (2020-2021)

Relevant Courses: Control Systems, Microprocessor Systems, Digital Systems, Electric Machines and Actuators

WORK EXPERIENCE

Planning Integration and Analytics Senior Technical Student (Co-op)   May 2023 – August 2024

Toronto Hydro Electric System Limited| Toronto, Canada

- Collaborated with managers and analysts to assist in project management duties, involving coordination with team members and cross-functional teams for analysis and solution development.
- Conducted technical evaluations and create detailed files outlining results for various activities aimed at supporting Electricity Distribution Rate Filing processes.
- Demonstrated effective communication and clear articulation during initiatives like the ISO 55001 and Project Portfolio Management user acceptance testing, fostering collaboration with asset management consultancy groups and IT teams.
- Developed and maintain professional relationships with stakeholders to enhance project outcomes and facilitate investment planning.
- Applied project management principles, including time management and task coordination, to successfully navigate engineering project requirements.
- Strengthened problem-solving skills and deepened understanding of logistics through exposure to diverse requests and challenges.
- Learned and applied crucial evaluation criteria such as reliability and sustainability in engineering decision-making through interactions with coworkers.

Project Manager- CEN 100   September 2022 – December 2022

Toronto Metropolitan University- Course: Introduction to Engineering | Toronto, Canada

- Reinforced student learning of class materials through weekly check-ins and answering emails, along with assessments.
- Lead stimulating discussions about historical engineering disasters and takeaways for the students' future careers.
- Provided weekly updates to Teaching Assistant in charge encompassing student performance, engagement levels, and any challenges encountered during the course duration.

ACADEMIC PROJECTS

Arduino UNO R3 Programmed Car   April 2023

Toronto Metropolitan University | Course Project

- Utilized Arduino IDE, IR sensors, motor drivers, and various electronic components to program a car, capable of solving a maze and following a black path.
- Programmed real-time decision-making algorithms and integrated sensors for obstacle detection and line tracking, enabling the car to navigate mazes, adjust to turns, and follow the correct path.

Multifunctional Mechanical Arm   May 2022

Toronto Metropolitan University | Course Project

- Developed a fully functioning mechanical arm given four (4) material and designing constraints and determined a set of functional requirements with a team of five (5) students.
- Effectively applied morphological charts and evaluation matrices of proposed designs to identify the best design based on engineering principles.