

S. Nazifa Tasnia

(647) 706-7143 • Toronto, Ontario • shaikh.tasnia@gmail.com

www.linkedin.com/in/s-nazifa-tasnia

CORE COMPETENCIES

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

Soft Skills: Analytical Thinking | Project Management | Problem Solving | Communication | Adaptability

EDUCATION

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

Toronto Metropolitan University (Formerly Ryerson University)

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

- **Managed the interrogatories process for the 2025-2029 Electricity Distribution Rate Application**, tracking and consolidating ~1200 interrogatories by **developing Alteryx workflows**, resulting in **15% reduction in response time** by creating and maintaining a detailed tracker that enhanced efficiency and accuracy.
- **Collaborated with cross-functional teams on the 2025-2029 Electricity Distribution Rate Application**, providing **year-over-year comparisons and variance analyses** to support with justifying the proposed budget to the Ontario Energy Board by aligning investment priorities with the capital expenditures plan.
- **Conducted the 2023 Year-End Councillor Ward Analysis**, summarizing annual expenditures and mapping them to specific Toronto wards, utilizing **Alteryx for data processing, Python for a fuzzy matching algorithm, and Tableau for spatial analysis (GIS)**, achieving a **93% successful match rate for ~3,000 projects**.
- **Developed documentation for three (3) existing asset management processes** as part of the ISO 55001 certification in asset management, enhancing **understanding of governance, stewardship, and company wide streams involved in the initiative**.
- **Demonstrated effective communication and clear articulation** during initiatives like the **ISO 55001 and Project Portfolio Management user acceptance testing (UAT)**, fostering collaboration with asset management consultancy groups and IT teams.
- **Maintained strong professional relationships with stakeholders**, aligning with senior leadership expectations and **applying project management principles** to support investment planning.

Project Manager- CEN 100 September 2022 – December 2022

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

- **Reinforced student learning for ~40 first year engineering students of class materials** through weekly check-ins and answering emails, along with assessments.
- **Led 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.