

Nathaniel Recto

Whitby, ON | (905) 409-3880 | nrecto@torontomu.ca | [Linkedin](#) | [Github](#)

SUMMARY OF QUALIFICATIONS

- Currently enrolled as a third-year Computer Engineering student at Toronto Metropolitan University.
- Proficient in machine learning algorithms using Python, with extensive experience in developing and implementing models.
- Experienced in C programming, with project work involving state machines, XML parsing, and tree representation.
- Skilled in applying object-oriented engineering principles to software problems, utilizing design patterns effectively.

TECHNICAL SKILLS

Languages: HTML/CSS, C/C++, Java, Matlab, Python

Productivity Tools: MS Office (Excel, Word, Powerpoint), Google Workspace (Docs, Sheets, Slides)

Developer Tools: VS Code, Visual Studio, Git, Github

Hardware: VHDL, Arduino Uno, Multisim

Core Competencies: Engineering Algorithms and Data Structures, Object Oriented Eng Analysis and Design

EDUCATION

Bachelor of Engineering (B.Eng.): Computer Engineering
Toronto Metropolitan University

Sept 2022 - Exp. May 2026

ACADEMIC AND PERSONAL PROJECTS

General-Purpose Processor, Toronto Metropolitan University

Dec 2023

- Engineered a simple processor using Quartus II software and VHDL, incorporating components such as a 4x16 decoder and finite state machine, enhancing technical problem-solving skills.
- Developed and tested processor functions to perform arithmetic and bitwise operations on two 8-bit inputs, effectively displaying results on 7-segment displays.

Multistage Amplifier Design, Toronto Metropolitan University

April 2024

- Designed and simulated a single-supply, multistage, inverting transistor amplifier using Multisim, achieving analytical skills.
- Conducted manual calculations and detailed simulations to select resistance and capacitance values, improving precision in component selection and circuit analysis.

Personal Portfolio Webpage

May 2024

- Designed and constructed a personal website using HTML/CSS to showcase projects and skills, developing creative problem-solving skills.
- Integrated external resources such as fonts and icons to improve the design and functionality of the website, demonstrating proficiency in front-end development and resource integration.

WORK EXPERIENCE

Operations Support, Enercare, Markham, ON

May 2024 - Exp. Sept 2024

- Collaborated with cross-functional teams to resolve HVAC contract deficiencies, enhancing operational efficiency and customer satisfaction.
- Optimized invoicing processes by managing payments to contractors, reducing processing time by 20% and ensuring timely compensation.
- Performed administrative tasks and served as a primary contact, improving communication and increasing team productivity by 15%.