Nathaniel Recto

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

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*   *Sept 2022 - May 2026*
Toronto Metropolitan University

ACADEMIC AND PERSONAL PROJECTS

Personal Portfolio Webpage
- Designed and constructed a personal website using HTML/CSS to showcase projects and skills, developing creative problem-solving skills.
- Optimized website for small screens using media queries to adjust layout and font sizes for mobile devices, demonstrating proficiency in front-end development.

General-Purpose Processor, *Toronto Metropolitan University*
- 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*
- 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.

WORK EXPERIENCE

Operations Support, *Enercare, Markham, ON*   *May 2024 - Aug 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%.