

# Michael Harhay

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A driven, goal-oriented computer engineering student with a love for all things software, and a growing interest in artificial intelligence and data. A diligent, creative problem-solver with a dedication to excellence and a love for learning and self-improvement. A confident, accountable leader who brings out the best in others.

## KEY COMPETENCIES

- Problem-solving
- Interpersonal communication
- Attention to detail
- Leadership
- Teamwork
- Willingness to learn

## SKILLS

Programming: *C, C++, Python, HTML, CSS, JavaScript (Three.js), MATLAB, NIOS II, Verilog, VBA, SQL*  
Project Management: *Agile Development Methodology, Gantt Chart, Engineering Documents (Client Statements, Project Requirements, Conceptual Design Specifications)*  
Data Analysis: *Microsoft Excel, Alteryx, Microsoft PowerPoint*  
Circuit Design: *ModelSim, Logisim, FPGAs, & various other fundamental hardware*

## EXPERIENCE

### Intern, Branch Banking Performance Analysis [TD Bank, Toronto, ON] May 2023 - Aug. 2023, May 2024 - Aug. 2024

- Developed a VBA macro to automate the generation of a monthly reporting binder, sent directly to top executives within the company for easy analysis of the bank's performance.
- Worked on a transaction lookup search engine using SQL
- Cleaned and organized large datasets, utilizing Excel to deliver easily decipherable spreadsheets.
- Assisted with miscellaneous team activities, exercising professionalism and attention to detail while completing items such as organizing meetings, sending regular reporting emails, and preparing PowerPoint decks for senior colleagues.

### Team Member, Digital Systems [University of Toronto, Toronto, ON] Sep. 2023 - Dec. 2023

- Worked with 2 teammates to design and implement a Simon Says game, utilizing Verilog and a DE1-SoC FPGA board.
- Spearheaded many organizational aspects of the project, including scheduling meetings, setting internal deadlines, and managing version control of the Verilog code.

### Communications Liaison, Engineering Strategies & Practices [University of Toronto, Toronto, ON] Jan. 2023 - May 2023

- Worked alongside 5 teammates to deliver a redesign proposal for the 27th floor of the University of Toronto Chestnut Residence.
- Organized and ran monthly client meetings, presenting the client with status updates and working through potential roadblocks, as well as gathering input and feedback, resulting in a final redesign proposal that the client expressed satisfaction with.
- Performed various project management duties, such as drafting status updates, working with the team's Gantt chart, and keeping an engineering notebook, which led to a much more effective and organized team design process.

## EXTRA-CURRICULARS

### Arts Prefect [Appleby College, Oakville, ON] Sep. 2021 - Jun. 2022

- Led the Arts Council in regularly organizing school-wide Arts events, leveraging leadership, management, and decision-making abilities to deliver numerous arts events that contributed to student quality of life.
- Worked alongside the school Prefect Council, utilizing strong teamwork and communication skills to devise leadership initiatives that helped promote and define school culture.
- Served as a leader and role model for the greater Appleby community, exemplifying professional conduct in all situations.

## EDUCATION

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

University of Toronto, Toronto, ON

Sep. 2022 – Apr. 2027 (expected)

- Intended minor in Artificial Intelligence Engineering
- Relevant Courses: Computer Fundamentals (C), OOP Fundamentals (C++), Engineering Strategies & Practice I & II, Digital Systems, Computer Organization (Assembly), Software Design & Communication (C++)

### Ontario Secondary School Diploma

Appleby College, Oakville, ON

Sep. 2018 - Jun. 2022

- Achieved Honour Roll every year

## ACHIEVEMENTS & AWARDS

### Sir Edmund Walker Scholarship

- \$20,000 annual scholarship awarded to incoming Appleby College students who have demonstrated exceptional leadership skills, both inside and outside the classroom.

### Duke of Edinburgh's Award, Bronze and Silver

- An award which challenges students to complete goals in the areas of physical recreation, service, skills, and an adventurous journey.

### Service Hours

- 161 hours accumulated over the course of high school.

### Academics

- Graduated Grade 12 with an academic average of 96%.
- AP Scholar with Distinction (2022).
- Received AP Capstone Diploma (2022).