

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).