

Edward Leung

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EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

Masters of Applied Science, Electrical and Computer Engineering

Expected Summer 2024

YORK UNIVERSITY

Honours Bachelor of Engineering, Computer Engineering

April 2022

SCHOLARSHIPS AND AWARDS

NSERC CREATE Quantum Computing Program (in Progress)	September 2022
Rio Tinto Summer Undergraduate in Research in Engineering Award	May 2021
Kenaidan Contracting Award	November 2018
York University Student Life Award	September 2017
York University Automatic Entrance Scholarship	September 2017

RESEARCH EXPERIENCE

UNDERGRADUATE RESEARCH ASSISTANT

York University, Volunteer

October 2021 – Current

UNDERGRADUATE RESEARCH ASSISTANT

McGill University, Temporary Part-Time

September 2021 – Current

UNDERGRADUATE RESEARCHER

McGill University, Internship

May 2021 – August 2021

- Part of the Summer Undergraduate Research in Engineering at McGill University, worked with the Photonic DataCom team under the supervision of Dr. Odile Liboiron-Ladouceur
- Worked collaboratively with Dr. Hassan Rahbardar Mojaver on the simulation and effects of noise in an Optical Neural Network using the Python library Neuroptica
- Resulted in an end of term research poster titled “Mitigating Errors in Optical Neural Networks During Training”

PROFESSIONAL EXPERIENCE

APPLICATION DEVELOPER

Bank of Montreal Financial Group, Internship

May 2020 – December 2020

CHANGE AND PROBLEM PROCESS ANALYST INTERN

Bank of Montreal Financial Group, Internship

May 2019 – August 2019

POSTER PRESENTATIONS

Edward K. Leung, Hassan Rahbardar Mojaver, Simon Geoffroy-Gagnon, and Odile Liboiron-Ladouceur. Mitigating Errors in Optical Neural Networks During Training. Poster presentation delivered at the Summer Undergraduate Research in Engineering 2021 Poster Fair (Remote), Montreal, QC, August 2021.

TECHNICAL SKILLS

Operating Systems: Windows, Linux

Languages: Java, C, Python, Octave/MATLAB, Q#, COBOL

Hardware: Circuitry, Oscilloscopes, Electrical Lab Equipment

Tools: Jupyter Notebook, Microsoft Office Suite, Qiskit, Unix Terminal, GitHub