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