

OBJECTIVE

- To find a rigorous applied research internship in creating novel quantum algorithms, contributing to the use cases of quantum computers before the hardware catches up.

EDUCATION

MSc in Applied Computing University of Toronto, Department of Computer Science Courses: CSC2332 (Quantum Algorithms), PHY2203 & PHY2204 (Quantum Optics I & II), CSC2615 (Ethical Aspects of AI)	September 2025 – December 2026
Honours Bachelor's of Science University of Toronto, Faculty of Arts and Science Computer Science Major, Physics Major, Mathematics Minor Courses: PHY365 (Quantum Information), PHY356 & PHY456 (Quantum Mechanics I & II), CSC373 (Algorithm Design)	September 2021 – April 2025

RESEARCH EXPERIENCE

University of Toronto, The Matter Lab Enhanced Randomized Quantum Simulation Techniques Improving algorithms for Hamiltonian simulation with a focus on electronic structure Hamiltonians. Performing numerical simulations in Python using OpenFermion to compare our approaches' error bounds to existing ones. 190,000+ lines of code created or edited.	August 2024 – Present
University of Toronto, Computer Science Department Systematic Literature Review of Academic Procrastination in STEM Major writing role on a 6-page systematic literature review of academic procrastination in STEM post-secondary students. Wrote Python scripts for filtering through thousands of papers from academic databases such as ACM and Web of Science. Updating the review to consider papers written in 2025 and narrowing the scope to interventions for computer science students with the goal of submitting to ITiCSE 2026.	May 2024 – Present

WORK EXPERIENCE

University of Toronto CSC110 Teaching Assistant Teaching assistant for a first-year introductory computer science course covering Python and proofs of runtime and correctness. Holding a 2-hour weekly tutorial, invigilating quizzes, holding office hours to answer questions regarding course assessments, and holding interviews to assess student understanding of course material.	Sept 2025 – December 2025
Laurentian Bank of Canada, LBC Tech Intern in Enterprise Portfolio Management Full-time intern on a large-scale payments project. Directly assisted the project manager in transitioning the project to an Agile methodology. Moved project resources onto Jira and Confluence. Met with project manager daily and each project member weekly. Created slides for presentations delivered to upper management.	May 2022 – August 2022

TECHNICAL SKILLS

- Quantum Simulation:** OpenFermion, Qmod, Qiskit
- Data Analysis:** Matplotlib, SciPy, NumPy
- Software Design:** Python, Java, Godot Game Engine

AWARDS

Runner-Up Winner in Open Challenge , Q-SITE Quantum Computing Hackathon, 2024. Implemented an algorithm for solving differential equations on the Classiq quantum computing platform in a team, and wrote a LaTeX-typed final report. Won a \$600 cash prize.
