

Brandon Chung

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SKILLS

- Proficient in Python, MATLAB, C++, AutoCAD, Figma, Arduino, Microsoft Office, Power Automate and BI.
- Strong background in finite element analysis using ANSYS and SolidWorks.
- Professional experience in project management using Oracle Primavera P6, EcoSys, and TIBCO EBX.

EDUCATION

Smith Engineering, Queen's University, Kingston, ON, Canada September 2020 - April 2025

Bachelor of Applied Science (B.A.Sc.) in Mechanical Engineering and Smith Certificate in Business

- Partnership Executive at QUANTT (Queen's University Algorithmic Network & Trading Team).
- Dean's List (2021, 2022, 2023), Academic All-Star, Recipient of TD Bank Higher Education Award (\$3,000).

WORK EXPERIENCE

Ontario Power Generation, Bowmanville, ON, Canada

May 2023 – May 2024

Professional Engineering Year Intern

- Simultaneously supported both Project Controls and Fuel Handling departments, ultimately improved operational efficiencies across both departments, and received 3 ViA employee recognition awards.
- Automated monthly forecasting reports across all Darlington Nuclear Projects saving 89 hours a month.
- Led the relay replacement field operation and collaborated with project stakeholders to troubleshoot the electrical schematic which allowed the team to complete the project 4 days ahead of schedule.

Technical Management Group, Toronto, ON, Canada

May 2022 – August 2022

Engineering Consultant

- Conducted a Monte Carlo risk assessment on a client's brine management system with 85% confidence and provided a risk mitigation plan to save \$4.41M which is a 72% cost reduction from the original plan.
- Developed standard operating procedures, scope of work, and requests for proposals for client mine sites.
- Created a multi-level filter and ranking process that analyzed all mining companies on the TSX:V which was presented to the leadership team resulting in 3 new clients and the strategic pursuit of the remaining 7.

NOTABLE EXPERIENCE & EXTRACURRICULARS

Sequin Health, Kingston, ON, Canada

May 2024 – August 2024

Cofounder

- Cofounded a healthcare SaaS company Sequin Health as a fellow of the 2024 QICSI cohort, a 16-week intensive paid startup incubator by Queen's University.
- Supported by registered psychotherapists and venture capital investors because Sequin Health helped patients find the right therapist using a refined matching algorithm.
- Spearheaded the strategic operations and external stakeholder communications of Sequin Health and as a result successfully pitched for and awarded \$4,000 in seed funding.

Smith Engineering Queen's University, Kingston, ON, Canada

August 2022 – Present

Teaching Assistant & Project Manager

- Instructed the second-year Electronic Circuits and Motors for Mechatronics class (MECH 210) leading labs, tutorials, and office hours to ensure effective operation of the course.
- Managed over 20 first-year engineering students in Engineering Practice (ASPC 101 & 103) to successfully design a robotic arm, automatic soap dispenser, and biomechanical prosthetic knee joint.

Queen's University Varsity Rowing Team, Kingston, ON, Canada

September 2022 – May 2023

Men's Varsity Rowing Team Member

- 1st place finish in the Ontario University Athletics' Rowing Championship the Lightweight Men's Double.
- Managed time effectively committing to six 5:30 am - 7:30 am practices and dedicating upwards of 25 hours a week to high-performance training while maintaining a full course load.