

BRANDON CHUNG

Mechanical Engineering Student

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For further details regarding my projects and experiences please visit brandonchung3.github.io

SUMMARY

Highly ambitious mechanical engineering student at Queen's University, with an intrinsic passion for learning. Proven to deliver and execute projects successfully at a high standard. Earned the reputation of being an extremely hard worker with strong interpersonal skills who excels in team environments. Seeking an engineering internship at an innovative organization where I can leverage my creativity and aptitude to solve problems that positively impact the world.

TECHNICAL SKILLS

- SOLIDWORKS
- MATLAB
- Oracle Primavera P6
- Power Automate
- Project Controls Pro Certification
- AUTOCAD
- Python
- C++
- Arduino Uno
- PowerBI

EDUCATION

Queen's University

Bachelor's Degree in Applied Science (B.A.Sc.) 2020 - 2025
Professional Engineering Internship

Smith School of Business

Certificate in Business 2021 - 2024

ATTRIBUTES

- Diligent Problem Solver
- Resourceful
- Team Player
- Curious Nature
- Quick Learner
- Entrepreneurial
- Ambitious
- Strong Communicator

EXTRACURRICULARS

- Varsity Rowing Team Member at Queen's University
- Partnership Executive at Queen's University Algorithmic Network & Trading Team
- Summer Varsity Cheerleading Club at Queen's University
- Director of Finance at Queen's Biomechanics Team
- Sponsorship Coordinator at Conference on Industry and Resources: Queen's University Engineering

AWARDS

- Mark Pettit Memorial Prize Candidate 2023
- 1st Place LWX2 Ontario Rowing Championship 2022
- Academic All-Star Award 2022
- TD Bank Higher Education Award 2021
- Dean's Scholar 2021/2022/2023
- Queen's Excellence Scholarship 2020

PROFESSIONAL EXPERIENCE

Professional Engineering Year Intern

Ontario Power Generation | Bowmanville, ON | May 2023 - Present

- Supported two departments - Project Controls and Fuel Handling.
- Recipient of 3 Value's in Action employee recognition awards and counting.
- Automized the forecasting tool across all projects in Darlington saving over 89 hours each month.
- Led the field operation of relay replacement working with maintenance and operations while troubleshooting electrical schematic diagrams. Successfully completed the project 4 days ahead of schedule.
- Created a power automate tool that effectively analyzes project finances saving over \$3M of unallocated costs.

Teaching Assistant & Project Manager

Queen's University | Kingston, ON | Sept 2023 - Present

- Managed over 20 first-year engineering students in Engineering Practice (ASPC 101 & 103) to successfully execute client-based projects.
- Instructed and evaluated the second-year Electronic Circuits and Motors for Mechatronics class (MECH 210) leading labs, tutorials, and office hours.

Engineering Project Coordinator

Technical Management Group | Toronto, ON | May 2022 - Aug 2022

- 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% reduction from the original plan.
- Experienced in Pincock perspectives assessing contingency, accuracy, likelihood, and consequences of projects.
- Created a multi-level filter according to a detailed criteria and a weighting ranking system that analyzed 1000+ mining companies on the TSX:V to determine potential clients. This resulted in 3 new clients and the strategic pursuit of the remaining 7.

Lander Design Engineering

Queen's Space Engineering Team | Toronto, ON | Sep 2020 - May 2021

- Engineered and modeled optimal lander design using SolidWorks. Conducted stress-strain simulations to improve aerodynamics which resulted in reduced dead load by 15%, and improved yield strength by 17%.
- Developed additional lander features and accessories such as foldable legs for easy store-away and workability.