

BRANDON CHUNG

Mechanical Engineering Student

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For further details regarding my projects and experiences please visit www.KarenMadeThis.ca

SUMMARY

Self-motivated mechanical engineering student at Queen's University, with an intrinsic passion to learn. Proven to deliver and execute projects successfully at a high standard. Earned the reputations of an extremely hard worker with strong interpersonal skills who thrives in a team environment. Seeking an engineering internship at an innovative organization where I can leverage my creativity and aptitude solving problems to positively impact the world.

TECHNICAL SKILLS

- SOLIDWORKS
- MATLAB
- Oracle Primavera P6
- Power Automate
- Project Controls Pro Certification
- AUTOCAD
- Python
- C++
- Arduino
- 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 Queen's University
- Partnership Executive at Queen's University Algorithmic Network & Trading Team
- Summer Varsity Cheerleading Club
- Director of Finance at Queen's Biomechanics Team
- Sponsorship Coordinator at Conference on Industry and Resources

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 viA employee recognition awards and counting.
- Automated 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 analyzing 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 - Aug 2022

- Conducted a Monte Carlo risk assessments 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 multi-level filter according to a detailed criteria and 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 improved aerodynamics 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.