

PROFESSIONAL SUMMARY

Motivated mechanical engineering student with a passion for problem solving and hands on work with a solid foundation in construction operations and manufacturing processes. Adept at possessing fast paced environments, multitasking, and ensuring tasks are completed efficiently. Love for the outdoors and physical activity. Proven ability to work effectively in a team environment while demonstrating strong communication skills. Eager to leverage academic knowledge and practical experience to contribute to a range of professional environments.

EDUCATION

McGill University, Montreal QC Graduation year
Major Mechanical Engineering, Minor Applied Artificial Intelligence 2027

Third year studying Mechanical Engineering with a 3.92 CGPA. Completed courses such as Design Graphics, Principals of Manufacturing, Fluid Mechanics, Thermodynamics, Statistics and Measurement, Engineering Economy, Partial Differential Equations, Computer Programming, Statics, Dynamics, and Solid Mechanics.

PROFESSIONAL EXPERIENCE

Aquabus Ferries, Vancouver BC May to August 2025
Dockhand

- Assisted in docking and departure operations by securing vessels, guiding passengers, and ensuring safe and efficient boarding procedures in a high-traffic marine environment.
- Collected fares and issued tickets while maintaining professionalism with customers, supported captains with routine maintenance and cleaning to ensure smooth daily operations.

Ansan Traffic Control, Vancouver BC May to August 2024
Traffic Control Person

- Communicated with site workers and with other TCPs to efficiently fulfill the needs of the site contractor and control the flow of traffic in busy or high-pressure environments.
- Ensured safety for pedestrians and drivers, effectively coordinating with law enforcement and emergency responders to maintain order and facilitate quick responses when needed.

PROJECTS

Light Fixture Manufacturing Process October to November 2025

- Designed the part and manufacturing process for a light fixture via injection molding; mold halves manufactured with CNC machining and part prototype modeled with 3D printing.

McGill Rocket Team October 2024 to April 2025

- Worked on the propulsion sub team using NX CAD software to design the fuel tank doors and intake valve for the liquid injection combustion engine.
- Gained foundational knowledge in rocket design, propulsion systems and subsystems.

Drone Design Competition November to December 2024

- Participated in a team competition to design a drone to precisely ascend to and hover at 1 meter using SolidWorks CAD software.

SKILLS

- CNC mill and lathe programming with MasterCAM and GCode
- Proficient using CAD, FEA software such as SolidWorks, NX, Fusion, Abaqus
- Programming in Python, C+, Java, LaTeX
- Organization, communication and teamwork
- Strong understanding of GD&T, mechanical assembly and manufacturing considerations

Languages: Fluent English, Advanced French

Certifications: Red Cross Standard First Aid, WHMIS Certification, SVOP, SDV-BS, ROC-M, TCP Certification, CASI Level 1 Snowboard Instructor