

Ashwin Sharma

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OBJECTIVE

As a mechanical engineering student, I am looking to gain experience in engineering design and practice my applying my technical skills to real world problems.

EDUCATION

Bachelor of Applied Science – Mechanical Engineering – Queen’s University 2020-Present

- 3.91/4.30 cumulative GPA.

Relevant Courses:

- APSC 100/200: Engineering Design and Practice
- MECH 211: Manufacturing Methods
- MECH 323: Machine Design
- MECH 350: Automatic Control
- APSC 221: Economic and Business Practice

Certifications and Training:

- W.H.I.M.I.S 2015
- Health and Safety Awareness

EXPERIENCE

Summer Student – Project/Process Engineering – Cameco Fuel Manufacturing May 2022-August 2022

May 2023-August 2023

- Gathered and catalogued information regarding the use of material handling equipment.
- Developed CAD models and performed FEA for material handling equipment.
- Created engineering drawings for material handling and quality assurance equipment.

Engineering Practice Design Projects – Queen’s University

September 2021-Present

- Gained knowledge of tools and techniques to aid in the design process of open-ended problems.
- Practiced professional ethics and minimizing bias during group-based design projects.
- Applied acquired theoretical knowledge to create practical solutions to real-world problems such as universal sustainable housing, vehicle design, and sustainable hydrogen production.

Additional Information

Technical Skills

- Proficiency in Microsoft Word, PowerPoint, and Excel for reports, presentations, and analysis.
- Experience with 3D modeling and FEA using SolidWorks and Inventor CAD software.
- Experienced with SAP software.
- Utilized C, C++, Python, MATLAB, and Arduino IDE programming software for a variety of mathematical, measurement, and data storage applications.

Awards and Accomplishments

- Dean's Scholar from Queen's University Department of Applied Science and Engineering.
- Ontario Scholar from Bowmanville High School.

Interests

- Nuclear materials and energy production.
- Nuclear reactor design.
- Control system design.