

Eric Walters

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Summary

Mechanical Engineering Student (EIT-eligible) with a CSWA certification and 2+ years of field experience in the energy and HVAC sectors. Proven track record in mechanical maintenance, CAD design, and cross-functional team leadership. Seeking to apply my skillset in a product development or manufacturing role (open to relocation)

Education

University of Alberta

BSc in Mechanical Engineering

September 2021 - Expected May 2026

Edmonton, AB

Relevant Coursework

- Engineering Graphics & CAD
- Numerical Simulation in Design
- Design of Composites

Projects

Balloon-Launched Drone Platform | *Landing Zones Canada*

December 2025

- Led a cross-functional capstone team of 6 engineers through concept selection, requirements definition, and detailed design for a balloon-launched autonomous glider release platform
- Owned technical direction and task breakdown (SolidWorks Design, FEA/CFD Analysis, Documentation, Client Interactions), aligning weekly deliverables with client needs and course requirements
- Modeled complex mechanical assemblies in SolidWorks and produced ASME-compliant engineering drawings to facilitate high-fidelity prototyping and client hand-off

Experience

Canadian Natural Resources Limited (CNRL)

May 2025 – August 2025

Relief Operator Summer Student

Bonnyville, AB

- Executed preventative maintenance on high-pressure compressors and hydraulic power units to minimize downtime
- Oversaw remote mechanical systems collaborating with service providers to uphold health and safety protocols

Cactus Club Café

July 2024 – June 2025

Expeditor Lead

Edmonton, AB

- Managed high-volume logistics and quality control for a team of 10+, resolving real-time operational bottlenecks in a fast-paced environment

Trane Technologies

May 2024 – August 2024

Sales Engineer Intern

Edmonton, AB

- Interpreted complex HVAC schematics to select equipment for commercial projects valued at \$1M+, ensuring 100% technical compliance with design specifications
- Maintained relationships with design firms by assisting in HVAC system design and optimal equipment utilization

Precision Drilling & Ensign Energy Services

May 2022 – September 2023

Floorhand

Spirit River, AB & Kindersley, SK

- Performed maintenance on critical equipment such as generators and fluid pumps, enhancing operational efficiency
- Maintained 100% HSE compliance during high-intensity 12-hour shifts in remote environments

Awards

- Junior Honors Design Award:** 1st Place, 2nd Year Design Competition

Skills & Certifications

Certifications

- CSWA
- H2S Alive
- Standard First Aid
- Fall Arrest

Design & Simulation

- SolidWorks (*Advanced*)
- AutoCAD (*Familiar*)
- 3D Printing (*Intermediate*)

Software and Analysis

- MATLAB (*Intermediate*)
- Microsoft Excel (*Intermediate*)
- Adobe Photoshop (*Basic*)

Languages

- English (*Fluent*)
- French (*Proficient*)
- German (*Basic*)