

# Eric Walters

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## SUMMARY

Mechanical Engineering student (EIT-eligible, graduating May 2026) with CSWA certification and 3+ years of co-op and field experience across upstream oil and gas, commercial HVAC, and drilling operations. Strong fundamentals in SolidWorks assemblies, ASME-compliant drawings, and FEA/CFD analysis. Seeking positions in Product Design, Operations, or Technical Sales.

## 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

#### Awards

- Junior Honors Design Award: 1<sup>st</sup> Place, 2<sup>nd</sup> Year Design Competition

## EXPERIENCE

### Canadian Natural Resources Limited

May 2025 – August 2025  
Bonnyville, AB

#### Well-Site Operator Summer Student

- Sole on-shift operator for ~50 conventional crude wells across 15 sites on a one-week-on, one-week-off rotation with full ownership during each shift
- Managed the full operational loop independently: preventative maintenance, production optimization, fluid level monitoring, and coordinating third-party services
- Identified underperforming wells through fluid shot diagnostics and adjusted pump speeds and rod lift parameters to restore output

### Cactus Club Café

July 2024 – June 2025  
Edmonton, AB

#### Expeditor Lead

- Coordinated up to eight team members per shift as one of two expo leads, managing order flow and quality control during 400–500 cover services
- Primary trainer for new expeditors; co-developed updated training program. Balanced part-time alongside full-time engineering studies

### Trane Technologies

May 2024 – August 2024  
Edmonton, AB

#### HVAC Sales Engineer Intern

- Supported the full commercial HVAC sales pipeline across 5–6 concurrent projects, from equipment specification with design engineers through to contractor bidding and final quotes
- Collaborated with consulting engineers on equipment selection, running humidity calculations and specifying AHU configurations to optimize performance
- Progressed from background support to independently managing client relationships and handling contractor-facing work

### Precision Drilling & Ensign Energy Services

May 2022 – September 2023  
Spirit River, AB & Kindersley, SK

#### Floorhand

- Worked on triple and super single drilling rigs drilling 5–7 km horizontal sour gas wells and shallow horizontal crude wells in remote Alberta and Saskatchewan
- Performed maintenance on generators, fluid pumps, and auxiliary rig systems; maintained 100% HSE compliance through 12-hour shifts on 20-day rotations

## PROJECTS

### Balloon-Launched Drone Platform | Captstone, Landing Zones Canada

December 2025

- Led a team of six engineers through requirements definition, detailed design, and client hand-off for a balloon-launched autonomous glider platform (GITPO RPAS)
- Produced a 400+ part SolidWorks assembly with ASME-compliant drawings and 3 technical reports

### Vanaheim, Self-Hosted Infrastructure | Personal Project

Ongoing

- Built privacy-focused home infrastructure on Proxmox with 20+ containerized services, five-VLAN segmentation, OPNsense firewall, WireGuard VPN, and SSO

## 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*)