

# 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.

## Education

**University of Alberta** Sep. 2021 - Expected May 2026  
Edmonton, AB  
*BSc in Mechanical Engineering*

### Awards

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

## Experience

**Canadian Natural Resources Limited (CNRL)** May 2025 – Aug. 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 all operational decisions independently with no on-site supervision, including preventative maintenance scheduling, production optimization, and third-party coordination
- Identified underperforming wells through fluid shot diagnostics and adjusted pump speeds and rod lift parameters, restoring output on ~5 wells

**Cactus Club Café** Jul. 2024 – Jun. 2025  
Edmonton, AB  
*Expeditor Lead*

- Coordinated 8-person teams as expo lead during 400–500 cover services; co-developed training program for new hires

**Trane Technologies** May 2024 – Aug. 2024  
Edmonton, AB  
*HVAC Sales Engineer Intern*

- Supported the full commercial HVAC sales pipeline across 5-6 concurrent projects exceeding \$1M in equipment value, 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 – Aug. 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 Capstone | Landing Zones Canada** Dec. 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

**CAD & Design:** SolidWorks (Sheet Metal, FEA, CFD), AutoCAD, 3D Printing, GD&T, ASME/ISO Drawings

**Tools:** MATLAB, Microsoft Excel, Linux, Salesforce CRM, Project Scheduling, Root Cause Analysis

**Languages:** English (*Fluent*), French (*Proficient*), German (*Basic*)