

Valmir Jashari

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EDUCATION

University of British Columbia, Vancouver, BC Canada **September 2025 – April 2028**
Bachelor of Applied Science – Mechanical Engineering

Southern Alberta Institute of Technology (SAIT), Calgary, AB Canada **September 2022 – April 2024**
Diploma – Mechanical Engineering Technology

Awards: Gene Haas Foundation Award, George Klassen Memorial Award, Calgary Pump Symposium Award, Honours List
Completed bridging program to UBC 2024–2025 at Camosun College in Victoria, BC

SKILLS

CAD & Software: SolidWorks, FEA, Fusion 360, AutoCAD, Autodesk Revit, MATLAB, Python, Arduino

Fabrication & Prototyping: Machining (Lathe, Mill, CNC, Laser Cutting), Welding (TIG & MIG), 3D Printing & Rapid Prototyping

Technical Knowledge: GD&T, DFM, DFA, P&ID Schematics, ASHRAE Standards, Assembly & Mechanical Drawings

Project Coordination: Equipment Procurement, Budgeting, Shop Drawing Reviews, Change Order & RFI Processing

EXPERIENCE

DIALOG, Calgary, AB Canada **January 2026 – Present**
Mechanical Engineering Student – Intern

- Developed mechanical system specifications, schedules, and sheet layouts for HVAC, plumbing, and piping systems, ensuring 100% compliance with project requirements and building codes
- Performed engineering calculations to size duct and piping systems in accordance with ASHRAE standards
- Conveyed design scope for construction tender by producing high quality mechanical drawings, P&ID schematics and equipment details
- Created BIM models in Autodesk Revit to perform engineering calculations and clash detection, improving interdisciplinary coordination and reducing design conflicts by 15%
- Reviewed equipment cut sheets and shop drawings for fans, pumps, and plumbing fixtures to verify compliance with mechanical design specifications and codes

Modern Niagara, Calgary, AB Canada **April 2023 – August 2023**
Project Coordinator – Intern

- Managed and tracked completion of 5 mechanical projects valued at \$2M+, ensuring on-time completion of work and adherence to quality standards
- Monitored budget changes with lead project manager, contributing to maintaining profit margins above 10% for each project
- Initiated procurement and issued purchase orders for mechanical equipment, secured delivery 2–3 weeks ahead of installation deadlines

Lethbridge Integrity Roofing LTD, Lethbridge, AB Canada **April 2020 – September 2022**
Assistant Manager

- Developed quotes, scheduled projects, and managed up to 3 on-site teams
- Performed QC inspections resulting in 100% client satisfaction
- Processed \$700,000+ in customer payments and maintained accurate financial records
- Automated quotation processes, reducing admin and estimation workload by 40%

PROJECTS

GrimRipper – Roofing Tool

- Personal project where I designed and prototyped a lightweight roofing removal tool (~52% lighter than current tools available)
- Iterated 8 designs via FEA stress simulations in SolidWorks, achieving minimum safety factor of 1.5 for highest concentration load
- Built working prototypes using laser cutting, sheet metal bending, and welding

Mustang Brake Conversion Kit

- Led a 4-member team through a 14-week capstone project, delivering a custom drum-to-disc brake conversion kit for a 1966 Mustang V6 under a \$450 budget
- Developed 3D CAD models and detailed assembly drawings using SolidWorks, integrating custom and 3D scanned aftermarket parts, validating the design with FEA-backed safety factor of 6+
- Applied GD&T tolerancing across 15+ custom and aftermarket components, ensuring compatibility with OEM mounting geometry

VOLUNTEERING

Chinook Hospital AHS, Lethbridge, AB **May 2018 – May 2019**
In-Patient Care Volunteer

- Provided comfort and emotional support to in-patients and seniors, fostering positive connections within the care environment
- Collaborated with medical staff to support daily ward operations, contributing to a smooth and positive patient experience