

Valmir Jashari Mechanical Engineering Student

Vancouver, BC | Vjashari@student.ubc.ca | 587-394-5653

TECHNICAL SKILLS

Software/CAD

- SolidWorks
- AutoCAD & Revit
- FEA
- MATLAB & Arduino Nano

Fabricating/Prototyping

- Machining (Lathe, Mill, CNC Basics, laser cutting)
- Welding (TIG & MIG)
- 3D printing
- Hand & Power Tools

Project Coordination

- Project Scheduling (MS Project & Excel)
- Submittal Reviews & Budgeting
- Procurement & Vendor Scheduling

Design & Documentation

- Mechanical System Inspections and QA reports
- Change Order & RFI Processing
- Assembly & Mechanical Drawings
- P&ID & PFD Schematics

EDUCATION

University of British Columbia

Bachelor of Applied Science - Mechanical Engineering

Sept 2025 - April 2027

Southern Alberta Institute of Technology (SAIT)

Diploma - Mechanical Engineering Technology

Sept 2022 - April 2024

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

WORK EXPERIENCE

DIALOG, Calgary

Mechanical Engineering Student – Coop Student

January 2026 - August 2026 (present)

- Prepared mechanical system specifications, schedules, and sheet layouts for HVAC, plumbing, and piping systems in alignment with project requirements and building codes
- Produced and revised mechanical drawings to clearly convey design scope for tender and construction
- Developed BIM models in Autodesk Revit for engineering calculations, clash detection, and drawing production with architectural, structural, and electrical teams
- Reviewed equipment cut sheets and shop drawings for fans, pumps, and plumbing fixtures to verify compliance with mechanical design specifications, codes, and produced Revit models

Modern Niagara, Calgary

Project Coordinator – Coop Student

April 2023 – August 2023

- Coordinated and tracked the completion of 5 mechanical projects, collectively valued over \$2,000,000
- Measured and accounted for budget changes alongside lead project manager, ensuring profit margins of 10-15% are reached for each project
- Reviewed and interpreted technical drawings & HVAC models using Bluebeam and Revit.
- Initiated procurement process for mechanical equipment and materials and issued purchase orders, ensuring equipment and materials arrive 2-3 weeks before installation deadlines

TECHNICAL PROJECTS

GrimRipper – Roofing Tool

Personal Project

- Designed and prototyped lightweight roofing removal tool (~40% lighter than current tools available)
- Iterated various designs based on FEA simulation using Solidworks, validating structural durability and functionality
- Created working prototypes using laser cutting, sheet metal bending, and TIG-welding

Mustang Brake Conversion Kit

Capstone Project

- Led a 4-member team through a 14-week capstone project, managing design, testing, and reporting for a custom drum-to-disc brake conversion kit on a 1966 Mustang V6
- Created 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 for tolerances, ensuring alignment, and compatibility with aftermarket parts and vehicle components

VOLUNTEER EXPERIENCE

Chinook Hospital AHS, Lethbridge, Alberta

In-Patient care volunteer

May 2018 – May 2019

- Provided comfort and support to in-patients and seniors, assisting doctors and nurses, fostering positive connections and helping streamline daily ward operations.
- Helped prepare rooms, organize supplies, and escort patients, enabling doctors and nurses to focus on direct clinical care.