
OBJECTIVE

Versatile Mechanical Engineer with expertise in design, validation, testing, and manufacturing optimization. I am skilled in 3D modeling, technical drafting, and system analysis to develop innovative solutions. Hands-on experience in troubleshooting mechanical, hydraulic, and electrical systems while ensuring compliance with industry standards. Adept at process improvement, cross-functional collaboration, and data-driven decision-making. I am looking to contribute my expertise to a dynamic engineering team focused on innovation and excellence.

TECHNICAL SUMMARY

- Skilled in performing engineering calculations and evaluating static and dynamic stability of equipment to meet standards.
- Proficient in creating detailed designs, validation plans, and test procedures for components and subsystems.
- Experience in 3D modelling, technical drafting, and developing test equipment using tools like SolidWorks, AutoCAD, and LabVIEW.
- Hands-on experience in developing and executing validation procedures for mechanical, electrical, and hydraulic systems.
- Adept at troubleshooting control circuits, hydraulic systems, and electrical subsystems.
- Proficient with instrumentation, data acquisition systems, and measurement tools, including LabVIEW and MATLAB Simulink.
- Skilled in documenting validation programs, including comprehensive test reports, certification documentation, and technical procedures.
- Familiar with standards such as OSHA, CE, and ISO for engineering compliance.
- Experienced in working with cross-functional teams to improve the manufacturing process and performance.
- Proficient in Microsoft Suite for report generation, data analysis, and task management.
- Skilled in root cause analysis and recommending solutions to enhance reliability and performance.
- Strong communication skills to convey technical findings to management and stakeholders.

EDUCATION

MECHANICAL ENGINEERING TECHNOLOGY ADVANCED DIPLOMA PROGRAM January 2022 - December 2024

Georgian College, Barrie, ON

DIPLOMA IN MECHANICAL ENGINEERING
B&B Institute of technology, Anand, Gujarat

January 2017 - December 2020

WORK EXPERIENCE

Design & Validation Engineering Co-op,

Linamar Corporation, Skyjack Plant-2, Guelph, Ontario.

September 2024 - December 2024

- Revised mechanical system designs and technical drawings for production optimization.
- Developed and executed validation procedures for hydraulic and mechanical systems.
- Conducted root cause analysis on equipment failures and proposed design improvements to enhance performance.
- Maintained and calibrated test equipment, ensuring efficient validation processes.
- Created technical reports summarizing test findings and presented results to cross-functional teams.
- Communicated design updates with vendors and quality teams to ensure compliance and manufacturing process.
- Developed control plans and performed dimensional analysis for production quality assurance.

Program Manager Co-Op,
Magna Techform, Ontario.

January 2024 - December 2024

- Collaborated with engineering and manufacturing teams to optimize designs for manufacturing.
- Developed control plans, conducted dimensional analysis, and verified compliance with design standards.
- Communicated with vendors and quality teams to ensure timely resolution of production issues.

T A (Quality) Co-op, KTH Shelburne Mfg., Inc, Ontario

August 2023 - December 2023

- Inspected mechanical and HVAC components, ensuring alignment with quality standards.
- Performed dimensional checks and maintained technical documentation for quality initiatives.
- Assisted in troubleshooting and performing maintenance on production equipment.

Mechanical Machine Operator

Schaeffler India Limited, Vadodara, India

January 2021 - January 2022

- Operated and maintained assembly machines, ensuring compliance with quality standards.
- Conducted inspections on manufactured components, ensuring dimensional accuracy and functionality.

SKILLS

- **3D Modelling & Design:** SolidWorks, AutoCAD
- **Instrumentation & Data Acquisition:** Hands-on with measurement tools and validation equipment
- **Technical Documentation :** SOPs, test plans, certification documentation
- **Soft Skills:** Team collaboration, effective communication, problem-solving, adaptability, and attention to detail

CERTIFICATIONS

SolidWorks Associate (CSWA) Certification

2024

- Certified in 3D modeling, assembly creation, and design Evaluation using solid works, with validated knowledge in industry standard mechanical design practice.

Mobile Elevated Work Platform (MEWP) License

2024

- Certified to safely operate Mobile Elevating Work Platforms (MEWPs), including scissor and boom lifts, with comprehensive training in safety protocols and hazard assessment

AutoCAD 2D & SolidWorks 3D Certified

2020

- Trained and certified in AutoCAD for 2D drafting and SolidWorks for 3D modelling, with skills in technical drawing and design for engineering applications.

Forklift Operator License

2025

- Trained and certified to operate forklifts safely, including Counterbalance, order picker and load handling, workplace safety, and equipment maintenance.