

HARPER LEWIS

Mechanical Drafter

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PROFESSIONAL SUMMARY

Dedicated Mechanical Drafter with 2 years of hands-on experience in creating precise technical drawings and 3D models. Proficient in AutoCAD, Inventor, and SolidWorks, I excel at transforming concepts into detailed designs while adhering to industry standards. Eager to contribute innovative drafting solutions and enhance project efficiency within a dynamic engineering team.

WORK EXPERIENCE

Mechanical Drafter

WidgetWorks Inc.

📅 Feb / 2024-Ongoing
📍 Denver, CO

- 1. Drafted detailed mechanical designs and specifications for various projects using AutoCAD and SolidWorks.
- 2. Created and revised P&ID diagrams, ensuring accuracy and compliance with industry standards.
- 3. Produced technical drawings for mechanical components, improving clarity and detail for manufacturing processes.
- 4. Collaborated with engineers and project managers to discuss design modifications and project requirements.
- 5. Implemented efficient drafting practices, reducing turnaround times for project submissions.
- 6. Maintained organized records of all drawings and revisions for easy access and traceability.
- 7. Assisted in the preparation of project documentation and reports to support engineering teams.

Mechanical Drafter

Summit Peak Industries

📅 Feb / 2023-Feb / 2024
📍 Denver, CO

- 1. Designed unique mechanical components for experimental setups, enhancing functionality and performance.
- 2. Coordinated with vendors for machining and fabrication services to meet project specifications.
- 3. Submitted component acquisition requests, ensuring timely availability of materials.
- 4. Mentored fellow drafters on advanced techniques in SolidWorks, fostering a collaborative learning environment.
- 5. Worked alongside machinists to adapt designs for CNC machining limitations while preserving design intent.
- 6. Generated original models and drawings for legacy machines, creating documentation for future reference.

EDUCATION

Associate of Applied Science in Drafting and Design Technology

Technical Institute of Technology

📅 Feb / 2022-Feb / 2023
📍 Toronto, ON

Focused on mechanical drafting principles, software applications, and design methodologies.

SKILLS



ACHIEVEMENTS

- 🌟 Developed over 50 technical drawings for various mechanical components, improving production efficiency by 15%.
- 🌟 Successfully created and updated P&ID diagrams, ensuring compliance with safety standards.
- 🌟 Collaborated with engineers to refine designs, resulting in a reduction of errors by 20%.