

Clara Strickland

Associate Mechanical Engineer

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SUMMARY

Detail-oriented Mechanical Engineer with two years of experience in engineering design and project management. Strong collaboration skills bridge cross-functional teams, delivering innovative solutions on time and within budget. Pro proficient in AutoCAD Inventor and Microsoft Project, ensuring projects meet high standards for safety and efficiency. Advanced problem-solving skills contribute to the successful execution of projects ranging from initial concept through completion. Seeking opportunities to apply expertise in dynamic environments while contributing to organizational success and growth.

EXPERIENCE

Associate Mechanical Engineer

Innovative Engineering Solutions 📅 June 2024 - Present 📍 Cudahy, WI

Employed as an Associate Mechanical Engineer focused on streamlining engineering designs, enhancing collaboration with senior engineers in project alignment. Responsibilities included monitoring projects and ensuring timely achievement of deliverables.

- Designed detailed mechanical layouts using AutoCAD Inventor, significantly improving project efficiency.
- Collaborated with seasoned engineers on stress analysis, ensuring compliance with strict safety regulations.
- Assisted in preparing technical documentation, including specifications, which bolstered interdepartmental communication.
- Conducted regular inspections and efficiently troubleshooted equipment issues, leading to enhanced operational performance.
- Contributed to developing innovative manufacturing processes, reducing production timelines.
- Maintained comprehensive records of project milestones, presenting insights at team meetings to drive future decisions.

Junior Mechanical Engineer

Advanced Engineering Group 📅 May 2023 - May 2024 📍 Milwaukee, WI

Joined Advanced Engineering Group as a Junior Mechanical Engineer supporting various design initiatives and validating concepts under supervision. Championed collaborative efforts for problem-solving and optimization of project outcomes.

- Created detailed engineering drawings and specifications vital for producing high-quality documents.
- Partook in diverse brainstorming sessions, addressing engineering challenges collaboratively for optimal outputs.
- Executed experimental tests to validate project concepts, gathering performance data to support design adaptations.
- Facilitated preparation of materials lists and timelines via Microsoft Project, streamlining overall project planning.
- Reviewed engineering designs meticulously ensuring adherence to project requirements and industry benchmarks.
- Attended workshops focusing on team dynamics improvement, enhancing overall communication effectiveness.

LEADERSHIP & AWARDS

- Outstanding Performance Award - Innovative Engineering Solutions, 2025
- Excellence in Design Award - Advanced Engineering Group, 2024

EDUCATION

Bachelor's Degree in Mechanical Engineering

University of Wisconsin-Milwaukee 🎓 GPA: 3.5 📅 2024 📍 Milwaukee, WI

Coursework: *Thermodynamics, Fluid Mechanics, Materials Science, Machine Design*

CERTIFICATIONS

- Certified SolidWorks Associate (CSWA) 📅 2025
- Lean Six Sigma Yellow Belt 📅 2025

TECHNICAL SKILLS

- **Engineering Design Tools:** AutoCAD Inventor, SolidWorks, FEA Tools
- **Project Management Software:** Microsoft Project, Trello, Asana
- **Analysis Tools:** MATLAB, ANSYS, COMSOL
- **Documentation Tools:** Microsoft Word, LaTeX, Visio
- **Programming Languages:** Python, MATLAB, Java
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Collaboration Tools:** Google Workspace, MS Office, Miro

- **Testing Instruments:** Dynamometers, Oscilloscopes, Load Cells
- **Quality Control Standards:** ISO 9001, Six Sigma, ASTM
- **Safety Regulations:** OSHA, ASME, IEC standards

SKILLS

- AutoCAD Inventor
- Microsoft Project
- Finite Element Analysis Tools
- Microsoft Excel
- Team Collaboration
- Problem Solving
- Technical Drawings
- Engineering Design
- Specifications Development
- Quality Assurance
- Stress Analysis
- Troubleshooting
- Report Preparation
- Experimental Design
- Document Control
- Manufacturing Processes

PROFESSIONAL AFFILIATIONS

- American Society of Mechanical Engineers (ASME) Member
- Society of Women Engineers (SWE) Active Participant

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST