

# Clara Strickland

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## SUMMARY

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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

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### Associate Mechanical Engineer

June 2024 - Present

Innovative Engineering Solutions

*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

May 2023 - May 2024

Advanced Engineering Group

*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

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

## EDUCATION

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### Bachelor's Degree in Mechanical Engineering

2024

University of Wisconsin-Milwaukee GPA: 3.5

*Milwaukee, WI*

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

## CERTIFICATIONS

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

## TECHNICAL SKILLS

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- **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

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## 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

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## PROFESSIONAL AFFILIATIONS

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

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## LANGUAGES

- English (Native)
- Spanish (Intermediate)

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## ADDITIONAL INFORMATION

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

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## REFERENCES

AVAILABLE ON REQUEST