

# Clara Strickland

## Associate Mechanical Engineer

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### STRENGTHS

- 💡 **Problem Solving**  
Instinctively breaks down complex challenges into manageable tasks, gaining recognition from peers as a go-to resource.
- 👥 **Team Collaboration**  
Fosters open discussions and encourages input from all team members, resulting in increased morale and productivity.
- 📋 **Project Management**  
Effectively coordinates multiple projects simultaneously, ensuring deadlines are consistently met without compromising quality.
- 📄 **Technical Documentation**  
Creates clear, concise specifications and operating manuals that improve understanding across departments.
- ✅ **Attention to Detail**  
Prioritizes precision in all tasks, critical for achieving functionality and safety in engineering designs.

### 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

### 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

Document Control

Manufacturing Processes

## LANGUAGES

English Native

Spanish Intermediate

## MY CAREER



- Associate Mechanical Engineer at Innovative Engineering Solutions (2 Years)
- Junior Mechanical Engineer at Advanced Engineering Group (1 Years)

## 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

## PROFESSIONAL AFFILIATIONS

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

## ADDITIONAL INFORMATION

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

## REFERENCES

AVAILABLE ON REQUEST