



# Sarah Williams

Manufacturing Industrial Engineer

## CONTACT

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United States, Chicago, IL

## EDUCATION

2015 - 2017

### Master of Science in Industrial Engineering

University of Illinois at Urbana-Champaign, United States

2010 - 2014

### Bachelor of Science in Mechanical Engineering

University of Michigan - Ann Arbor, United States

## Certifications

- Lean Six Sigma Black Belt, ASQ, January 2020
- Certified Manufacturing Engineer (CMfgE), SME, September 2018

## PROFESSIONAL SUMMARY

Results-driven Industrial Engineer with experience optimizing manufacturing processes, enhancing productivity, and improving cost efficiency. Seeking a senior position in a forward-thinking organization to apply my expertise in lean manufacturing and process automation.

## EXPERIENCE

### Manufacturing Industrial Engineer 2021 - Now General Electric (GE), United States, Chicago, IL

- Lead the implementation of lean manufacturing principles, reducing production costs by 15%.
- Design and optimize workflows and production lines to enhance operational efficiency.
- Conduct time and motion studies to identify bottlenecks and optimize labor utilization.
- Utilize AutoCAD and SolidWorks for designing factory layouts and equipment specifications.

### Industrial Engineer - Process Improvement 2017 - 2021 Ford Motor Company, United States, Chicago, IL

- Managed multiple process improvement projects aimed at reducing waste and increasing throughput.
- Applied Six Sigma methodologies to reduce defects in the assembly line, achieving a 25% reduction in errors.
- Developed and implemented process control strategies to ensure product consistency and reduce downtime.

## SKILLS

Lean Manufacturing and Six Sigma	★★★★★
Time and Motion Studies	★★★★★
Production Scheduling and Planning	★★★★★
Process Optimization	★★★★★
AutoCAD, SolidWorks, and CAD Design	★★★★★
Data Analysis and Statistical Tools (Minitab, Excel)	★★★★★
Project Management	★★★★★