



Lane Bryant

Industrial Engineer

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SUMMARY

Recent graduate with a Bachelor's degree in Industrial Engineering, equipped with hands-on experience in optimizing manufacturing processes through academic projects. Demonstrated proficiency in CAD software and a strong foundation in data analysis and problem-solving. Proven ability to collaborate effectively in team environments, focusing on quality and efficiency improvements. Eager to apply engineering principles to support production optimization and enhance operational workflows. Ready to embrace opportunities in a fast-paced production setting while contributing positively to both team dynamics and project goals.

EDUCATION

Bachelor's Degree in Industrial Engineering

Syracuse University 📅 GPA: 3.8 🗓 2025 📍 Syracuse, NY

Coursework: Manufacturing Processes, Quality Control, CAD Design, Data Analysis

TECHNICAL SKILLS

- **CAD Tools:** SolidWorks, AutoCAD
- **Quality Assurance Frameworks:** ISO, AS9100, NADCAP
- **Data Analysis Software:** Excel, MATLAB, R
- **Documentation Standards:** SOPs, Technical Reports, Presentations
- **Process Optimization Methodologies:** Lean Manufacturing, Six Sigma, Continuous Improvement
- **Project Management Platforms:** Trello, Asana, Microsoft Project
- **Team Collaboration Tools:** Microsoft Teams, Slack, Zoom
- **Simulation Software:** Arena, Simul8, FlexSim
- **Statistics Packages:** Minitab, RStudio, SPSS
- **Presentation Software:** Microsoft PowerPoint, Google Slides, Prezi

EXPERIENCE

Process Optimization Developer

University Project 📅 September 2025 - May 2026 📍 Syracuse, NY

Supported academic initiatives aimed at enhancing manufacturing efficiencies. Hands-on role strengthening CAD application skills and collaborative project methods. Contributed meaningfully to process simulation projects and included participation in presentations.

- Conducted comprehensive analysis of existing manufacturing workflows revealing inefficiencies with recommended streamlined solutions seeking increased productivity.
- Implemented simulated CAD model for facility layout optimization, reducing material transit times as engaging peer workshops proved productive.
- Prepared detailed project reports and presentations showcasing findings to faculty and industry professionals, receiving commendation for clarity.
- Developed standard operating procedures (SOPs) enhancing compliance clarity within simulated production scenarios deemed effective.
- Engaged in time studies producing benchmarks enhancing operational efficiency while educating peers on outcomes pursued.
- Presented results at the university's engineering symposium capturing interest and engagement from diverse audiences.

Engineering Research Assistant

University Research Lab 📅 January 2025 - August 2025 📍 Syracuse, NY

Contributed critical analysis toward research focusing on quality control within manufacturing settings. Collaborative student-led design techniques helped enhance quality assurance methodologies.

STRENGTHS



Problem-Solving Skills

Analyzed various manufacturing processes, identifying key inefficiencies and creating actionable strategies to drive improvements.



Collaboration Abilities

Worked in diverse teams driving productive dialogue leading to innovative ideas reflected in several notable project deliverables.



Analytical Thinking

Employed data analysis tools effectively identifying defects influencing overall product quality throughout production phases engaged.



Communication Skills

Articulated complex ideas succinctly in presentations captivating both professionals and academics' heightened interest and comprehension.



Adaptability

Adapted quickly to unexpected developments in projects utilizing strategic thinking align activities with shared objectives.

SKILLS

CAD Software (SolidWorks)

Data Analysis

Process Optimization

Technical Documentation

Quality Control Standards

Team Collaboration

Efficiency Improvements

Production Floor Management

Statistical Software Applications

Control Systems Design

Time Studies

Standard Operating Procedures

Engaging Presentations

Research Methodologies

Manufacturing Workflows

Continuous Improvement
Techniques

- Assisted in identifying key factors impacting product quality using statistical approaches that boosted confidence during research efforts.
- Collaborated in creating technical documents outlining pertinent findings tied directly to improvement recommendations driving quality elevation.
- Designed control systems monitoring production standards aligning closely with ISO principles actively pursued in operating facilities.
- Facilitated peer-learning workshops focused on productivity enhancements encouraging collaboration among students methodologies towards success.
- Collaboratively prepared research documenting contributions aiming for submission within engineering journals aspiring advancements recognized.
- Played an integral role supporting the compilation of documentation strengthened by methodical interpretations reflecting research study impacts.

LEADERSHIP & AWARDS

- Dean's List, Syracuse University, 2025
- First Place, Engineering Design Competition, 2025

CERTIFICATIONS

- Certified SolidWorks Associate (CSWA) 📅 2026
- Lean Six Sigma Yellow Belt 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association, 2024 - 2026
- Volunteer, STEM Outreach Program, 2025 - 2026

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Process Optimization
Developer at University Project
(8 Months)

● Engineering Research
Assistant at University Research
Lab (7 Months)