

Jacob Campos

Manufacturing Process Engineer

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SUMMARY

Manufacturing Process Engineer with over four years optimizing processes and implementing Lean methodologies in industrial settings. Experienced in enhancing production efficiency, driving waste reduction, and fostering continuous improvement across teams. Proficient in coaching others, leading initiatives that impact operational performance while ensuring safety and quality compliance. Demonstrated ability to architect robust systems like 5S for enhanced workplace organization. Eager to contribute expertise by collaborating effectively and educating teams on methodologies aimed at maximizing throughput. Passionate about cultivating a culture of efficiency in dynamics-driven environments.

EXPERIENCE

Manufacturing Process Engineer

Dynamic Manufacturing Systems 📅 June 2024 - Present 📍 Columbia, SC

Lead engineering efforts on the manufacturing floor, focusing on process optimization and throughput enhancement. Collaborated cross-functionally to address bottlenecks and orchestrated effective Kaizen events while embedding Lean principles across operations. Designed and executed advanced compliance audits adhering to rigorous industry standards.

- Enhanced process capabilities through targeted auditing, achieving substantial productivity improvements.
- Architected and deployed comprehensive visual management systems, elevating workplace organization.
- Facilitated impactful cross-functional workshops aimed at resolving critical safety and quality issues.
- Conducted extensive Lean training sessions for employees, establishing a culture of continuous improvement.
- Collaborated closely with engineering teams to validate fresh processes and enhance product quality.
- Drove initiatives that resulted in measurable increases in efficiency while reducing operational losses.

Process Improvement Engineer

Precision Engineering Corp. 📅 January 2022 - May 2024 📍 Greenville, SC

Supported engineering functions focused on maximizing process efficiencies within manufacturing settings. Employed Lean tools to initiate lasting changes, steering projects toward improved compliance and enhanced throughput. Engaged in root cause analysis as well as corrective actions with cross-functional collaboration.

- Executed strategic interventions resulting in significant waste reductions and gains in operational capabilities.
- Led teams through essential workshops on Lean practices, boosting both morale and knowledge retention.
- Advocated for adherence to industry standards by developing comprehensive process documentation.
- Participated in innovative process designs contributing directly to quality assurance and customer satisfaction.
- Gathered and analyzed production data to optimize KPIs reflecting continuous improvements.
- Facilitated communication across departments, sharpening focus on collective objectives and project outcomes.

Manufacturing Intern

Tech Innovations Inc. 📅 June 2021 - December 2021 📍 Spartanburg, SC

Engaged in monitoring and analyzing manufacturing processes, identifying key areas for improvement. Assisted senior engineers on various Lean implementations while gaining hands-on experience in real-world applications. Supported numerous initiatives aimed at refining workflows under expert guidance.

- Contributed to data collections driving insights that shaped future decision-making within the facility.
- Assisted with comprehensive implementation of 5S practices, creating a more structured workspace.
- Came up with actionable insights during Kaizen events based on observed manufacturing practices.
- Closely worked with senior engineers, gaining valuable mentorship alongside profound project exposure.
- Documented process alterations benefiting team members and promoting collective learning.
- Committed to fostering stronger safety and organizational measures within fast-paced settings.

LEADERSHIP & AWARDS

- Certified Lean Six Sigma Green Belt, 2025
- Employee of the Month at Dynamic Manufacturing Systems for outstanding contributions to turnover reduction, February 2025

EDUCATION

B.S. in Mechanical Engineering

University of South Carolina 📅 GPA: 3.5 📅 2024 📍 Columbia, SC

Coursework: Thermodynamics, Fluid Mechanics, Materials Science, Manufacturing Processes

CERTIFICATIONS

- Certified Lean Six Sigma Green Belt 📅 2025
- OSHA 30-Hour General Industry Certification 📅 2025

TECHNICAL SKILLS

- **Lean Methodologies:** Kaizen, 5S, Value Stream Mapping
- **Manufacturing Technologies:** Robotics, Automation Tools, Composite Structures
- **Quality Management Tools:** Six Sigma, ISO Standards, Statistical Process Control
- **Project Management Tools:** Trello, Microsoft Project, Asana
- **Data Analysis Tools:** Minitab, Excel, Power BI
- **Safety Standards:** OSHA, NFPA, ANSI
- **Communication Tools:** Microsoft Teams, Slack, Zoom
- **Documentation Standards:** ISO Documentation, Quality Manuals, SOPs
- **Computer-Aided Design (CAD):** AutoCAD, SolidWorks, CATIA
- **Engineering Tools:** MATLAB, Simulink, ANSYS

SKILLS

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|-----------------------|--------------------------|-------------------------|----------------------------------|
| • Lean Manufacturing | • Kaizen Facilitation | • Safety Compliance | • Cross-Functional Collaboration |
| • Process Improvement | • Root Cause Analysis | • Quality Assurance | • Operational Excellence |
| • Data Analysis | • Workplace Organization | • Production Efficiency | • Change Management |
| • 5S Methodology | • Training & Development | • Value Stream Mapping | |

PROFESSIONAL AFFILIATIONS

- Member of the Society of Manufacturing Engineers
- Participant in local Charleston Lean Network meetings

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST