

Tucker Macias

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SUMMARY

Detail-oriented production worker with experience in manufacturing, focused on quality control and equipment operation. Demonstrated ability to train team members while ensuring safety and efficiency standards are met. Collaborative approach fosters teamwork and a commitment to continuous improvement. Eager to embrace new challenges and contribute positively to operational goals. Practical experience gained through assistance in monitoring product quality and maintaining machinery. Accurate data reporting enhances decision-making processes for optimal performance. Committed to contributing as part of a cohesive team while effectively responding to evolving production demands.

EXPERIENCE

Production Assistant

January 2026 - Present

University Project

Louisville, KY

Supported operations as a Production Assistant, enhancing quality assurance protocols and performing various machine operations. Collaborated with team members to ensure adherence to safety regulations while optimizing production capacity.

- Monitored quality during manufacturing processes, ensuring compliance with safety protocols and industry standards.
- Operated machinery at optimal capacity, facilitating efficient production and minimal downtime.
- Trained new hires on equipment operation, fostering a culture of safety and operational excellence.
- Accurately maintained production records and reports regarding operational status and safety metrics.
- Identified maintenance needs proactively, coordinating with supervisors for timely resolutions.
- Implemented best practices to enhance both machinery usage and workplace safety.

Manufacturing Operations Intern

June 2025 - December 2025

Academic Research

Louisville, KY

Conducted an internship focusing on manufacturing operations, emphasizing equipment optimization strategies and safety compliance measures. Gained hands-on experience collaborating with peers and faculty in a simulated factory environment.

- Researched effective equipment utilization strategies aimed at maximizing throughput.
- Compiled a comprehensive report detailing machine operation best practices and safety guidelines.
- Collaboratively analyzed production data with teammates, proposing actionable improvements.
- Engaged in practical training sessions on machine operation and maintenance procedures.
- Presented operational strategy findings to faculty, demonstrating significant insight into production efficiencies.
- Assisted in crafting a training module dedicated to interns on safety protocols and operations.

LEADERSHIP & AWARDS

- Received Excellence Award for Safety Enforcement in 2025.
- Recognized for Dedication to Team Training, 2026.

EDUCATION

Bachelor's Degree in Manufacturing Engineering

2026

University of Louisville GPA: 3.8

Louisville, KY

Coursework: Materials Science, Process Improvement, Quality Systems, Automation

CERTIFICATIONS

- Forklift Certification 2024
- Industrial Safety Certification 2025

TECHNICAL SKILLS

- Manufacturing Tools:** CNC Machines, Hammer Mills, Lathes
- Safety Equipment:** Hard Hats, Safety Goggles, Gloves
- Productivity Software:** Microsoft Excel, Inventory Management Systems, Quality Management Software
- Reporting Standards:** ISO 9001, Lean Manufacturing, Six Sigma
- Training Programs:** Onboarding Processes, Continuous Education Modules, Safety Workshops

- **Maintenance Procedures:** Preventive Maintenance, Equipment Inspections, Trouble-Shooting Techniques
- **Key Performance Indicators:** Product Yield Rates, Machine Downtime, Quality Metrics
- **Communication Platforms:** Email Correspondence, Team Meetings, Internal Messaging Apps
- **Collaboration Tools:** Project Management Software, Shared Documents, Brainstorming Boards
- **Quality Audits:** Inspections, Batch Testing, Operational Reviews

SKILLS

- Equipment Operation
- Team Collaboration
- Time Management
- Adaptability
- Quality Control
- Mathematical Proficiency
- Continuous Improvement
- Process Optimization
- Safety Compliance
- Machinery Maintenance
- Documentation
- Inventory Management
- Data Reporting
- Problem Solving
- Communication Skills

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Mechanical Engineers.
- Volunteer with local community service initiatives.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST