Charles Lambert

Industrial Engineer

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STRENGTHS

Collaboration
Built strong relationships with teams across multiple departments to enhance project outcomes. Frequently approached by peers for insights on solutions.

Adaptability
Successfully adjusted methods based on each project's unique needs. Those experiences led to creative problem-solving, yielding innovative frameworks.

Analytical Thinking
Regularly performed quantitative analyses helping steer decision-making related to production strategies. Executive team noted increased clarity.

Process Improvement
Initiated numerous projects focusing on waste reduction, leading to visible enhancements in operational workflow. Acknowledged for proactive approach.

Leadership
Guided teams through challenging initiatives, often mentoring junior engineers in process techniques. Became a sought-after resource for best practices.

SKILLS

Lean Manufacturing | Six Sigma | Process Optimization | Statistical Analysis | Workflow Mapping | Automation Solutions | Quality Control | Simulation Modeling | Continuous Improvement | Value Stream Mapping

SUMMARY

Driven Industrial Engineer with over four years of experience optimizing PCBA manufacturing processes. Specializes in implementing lean methodologies and statistical analysis to achieve operational excellence. Designed ergonomic workstation layouts, enhancing productivity and employee satisfaction. Collaborated seamlessly across departments, ensuring high-quality output while reducing costs. Successfully managed projects that yielded substantial efficiency improvements and cost savings. Eager to contribute innovative solutions and continue professional growth within the smart manufacturing sector at ABC Electronics Inc., where teamwork and learning are priorities.

EXPERIENCE

Industrial Engineer

XYZ Manufacturing Solutions | June 2024 - Present | Green Bay, WI

Works as an Industrial Engineer focused on improving production efficiencies in a fast-paced environment. Leads initiatives that drive process enhancements, collaborating closely with multifaceted teams.

- Achieved over 20% efficiency improvements by analyzing and refining PCBA production processes, consistently maintaining quality standards.
- Implemented Lean Manufacturing and Six Sigma strategies leading to a reduction of cycle times, directly impacting delivery schedules and customer satisfaction.
- Conducted comprehensive time and motion studies, resulting in a 30% increase in throughput through optimized ergonomic designs.
- Designed effective assembly line configurations using takt time analysis, securing 95% line efficiency and enhanced worker productivity.
- Teamed up with Quality Engineering on FMEA tasks, successfully integrating poka-yoke mechanisms, lowering defect rates below 50 PPM.
- Created detailed SOPs utilizing TWI methodology, fostering standardized practices that boosted overall operational harmony.

Manufacturing Engineer

Tech Innovations Corp. | March 2021 - May 2024 | Kenosha, WI

Served as a Manufacturing Engineer responsible for pioneering automation and collaborative engineering approaches tailored toward manufacturing efficiency.

- Spearheaded the introduction of pick-and-place machines, achieving a 40% decrease in manual operations, which freed up resources for critical tasks.
- Worked alongside engineering teams during DFM/DFA workshops, refining product designs that streamlined manufacturability and reduced costs.
- Developed and implemented real-time monitoring systems to effectively track OEE and yield metrics, enabling quick decision-making.
- Executed continuous improvement strategies that generated over $300K in annual savings through labor efficiency enhancements.
- Utilized FlexSim simulations to visualize proposed changes, aiding in resource allocation and efficiency measurements.
- Led pilot programs to test new methodologies, facilitating smooth transitions from conceptualization to full implementation.

Junior Industrial Engineer

ABC Electronics Inc. | January 2020 - February 2021 | Milwaukee, WI

Gained pivotal experience in manufacturing processes as a Junior Industrial Engineer, contributing strategically to production optimization efforts.

- Supported core initiatives focused on analyzing production workflows, systematically implementing Lean principles across interactions.

Time Studies | Ergonomics | Kaizen | Designing Layouts | Process Documentation

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Industrial Engineer at XYZ Manufacturing Solutions (2.2 Years)
- Manufacturing Engineer at Tech Innovations Corp. (3.2 Years)
- Junior Industrial Engineer at ABC Electronics Inc. (1.1 Years)

- Carried out time studies assessing workstation efficacy, resulting in improved working conditions facilitating smoother outputs.
- Collaborated with cross-functional teams targeting continuously enhanced output quality through dedicated improvement initiatives.
- Assisted in crafting SOPs and instruction documents for various procedures, ensuring consistency and standard adherence.
- Engaged in Kaizen events aimed at value enhancement, consistently driving discussions that identified effectiveness-related challenges.
- Participated actively in educational sessions regarding lean practices, embracing team-oriented knowledge development.

LEADERSHIP & AWARDS

- Dean's List, University of Wisconsin-Madison, 2019

EDUCATION

Bachelor's Degree in Industrial Engineering

University of Wisconsin-Madison GPA: 3.8 2020 Madison, WI

Coursework: *Manufacturing Processes, Systems Engineering, Operations Management, Lean Principles*

CERTIFICATIONS

- Lean Six Sigma Green Belt 2022
- Certified Manufacturing Engineer 2023

TECHNICAL SKILLS

- **Lean Methodologies:** Lean Principles, Kaizen Events, Value Stream Mapping
- **Quality Engineering Tools:** FMEA, Poka-Yoke, Process Controls
- **PCBA Production Techniques:** Time Studies, Workflow Mapping, Assembly Line Design
- **Cost Reduction Strategies:** Material Optimization, Labor Efficiency, Process Innovations
- **Simulation Software:** FlexSim, Arena, Simulation Models
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Statistical Analysis Programs:** Minitab, Excel, R
- **Production Monitoring Systems:** OEE Tracking, Data Dashboards, Real-Time Metrics
- **Automation Systems:** Pick-and-Place, AOI Machines, Collaborative Robots
- **Documentation Standards:** SOPs, Work Instructions, TWI Methodology

PROFESSIONAL AFFILIATIONS

- Member, Society of Manufacturing Engineers
- Volunteer, Engineers Without Borders

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST