

A Veronica Melendez

Industrial Engineering

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PROFILE

- Driven and detail-oriented person with 15+ of professional experience in industrial engineering techniques, lean manufacturing tools and improvement process.
- Passionate to transform and find insights in data that can help the creation or optimization of complex processes and systems.
- Great ability to visualize a solution when it comes to flow and layouts.
- Keen ability to understand KPI's, visualize goals and anticipate to customer needs accordingly.
- Excellent troubleshooting, problem-solving, planning, scheduling, and analytical thinking skills.
- Always enthusiastic, think outside the box, resourceful and eager to learn.

SKILLS

- Data Analysis: Excel, Numpy, Pandas. Data Visualization: Powerpoint, Tableau, Excel, Plotly, Seaborn, Matplotlib. Programming: Python, SQL. Platforms: Jupyter. Spoken Languages: English, Spanish

EDUCATION

Data Science Diploma

Lighthouse Labs

2023

Bachelor's degree in Industrial Engineering

Certificate in Production and Inventory Management (CPIM)

APICS

Boeing certifications: Production preparation process (3P), Accelerated Improvement workshop (AIW), Value Stream Map

Boeing

Toyota Production System certification by YOMO Consulting

8D Problem Solving Methodology

PROFESSIONAL EXPERIENCE

Industrial Engineer Specialist

Boeing

2006 – present

Industrial Engineering Specialist (2010-present)

- Developed databases and spreadsheets to analyze data and provide summary analysis and performance metrics for consultation and guidance to customers.
- Utilized time studies to develop and validate capability and capacity and define the most efficient use of resources.
- Analyzed and supported the design and monitoring of the production system through value streams including capability and capacity of equipment, tooling manpower, floorspace, workstations, flow, lead time, factory routing.
- Oversaw the implementation of production lines and ensured they were set up in a manner that maximized resources.
- Developed layouts to ensure optimal flow and use of space.
- Planned for production ramp up and ramp down activities to meet rate changes, new programs and work transfer.
- Created recovery plans to address any issues that arose during the production process.

Lean Practitioner (2006-2010)

- Conducted and facilitated lean projects that focused on driving business results by identifying and eliminating waste in the production process.
- Utilized various lean methodologies such as Value Stream Map (VSM), Production Preparation Process (3P), Kaizen, heijunka, kanban, pull system, work teams, takt time, flow time, 5S, and SWOT to design and optimize new and current production processes.

AWARDS

- Award due leadership and collaboration on the Lean Assessment playing a significant role in showcasing Boeing Winnipeg lean achievements, which resulted in the highest score ever awarded in Boeing Commercial Airplanes.
- Award due leadership and find a way attitude resulted in the successful coordination, plan and execution of the Lean Design and Build Roadmap in the Engineering teams.
- Award for leadership, commitment and pioneering spirit to make Employment Involvement a success.