

MATTHEW PINTO

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OBJECTIVE

- To leverage my experience and skills in industrial engineering, manufacturing GMP, LEAN Six Sigma, and Root Cause Analysis to reduce waste and improve efficiency in a manufacturing setting.

EXPERIENCE

INDUSTRIAL OPERATIONS ENGINEER, BIOMERIEUX, 2018 - 2019

- Created and submitted CaPEX proposals to implement automated solutions to benefit COGs in manufacturing.
- Provided support with improvement projects via CAPA and Lean Six Sigma projects.

PRODUCTION GROUP LEAD/SUPERVISOR, BIOMERIEUX, 2017 - 2018

- Reduced costs and head count of filling operators by 20 percent by implementing a rotation to decrease downtime and increase uptime on fill machines.
- Oversaw operation and productivity of high-production fill machines (several million plates per year).
- Raised overall yield from 91 to 95 percent on plated media fill lines, resulting in savings of \$60,000.
- Decreased the overall manufacturing time for plated media by 40 percent, reducing operations from two shifts to one, resulting in immense cost savings.

PRODUCTION ENGINEER, BIOMERIEUX, 2015 - 2017

- Created and implemented a new raw material that removed a rigorous manual process, reducing costs and increasing capacity of fill lines.
- Implemented a takt time model for resource and capacity analysis, improving labor hour efficiencies; implemented for plated media.
- Reduced the number of pH failures using process capability analysis, saving \$60,000 per year.
- Improved adherence to schedule by refreshing and maintaining production scheduling to actual run rates.

VALIDATION ENGINEER, BIOMERIEUX, 2014 - 2015

- Participated in Kaizen Events to incorporate visual trackers for bottle defects and change management.
- Trained operators on Standard Work Instructions necessary to manufacture high quality products.

- Created PFMEAs for processes related to steam sterilization in kettles and sterilization processes in AES Masterclaves.
- Executed IQ, OQ, PQ on pouring line equipment and sterilization vessels.
- Led a team that commercialized custom products and successfully launched three bottle products.

PROCESS ENGINEER, BIOMERIEUX, 2013 - 2014

- Executed equivalency studies on replacing cellophane using a statistical approach.
- Improved yields by identifying a defect in a key ingredient used on a product that was on back order by using an improved raw material to mitigate the defect.
- Successfully ran a Lean Six Sigma Green Belt Project on creating detailed process maps for bottle manufacturing process. Helped set up a bottle defects tracker to identify common defects on the floor and identified actions to reduce waste.
- Worked with a team to launch a new product line for room temperature media.

ASSOCIATE PROCESS ENGINEER, BIOMERIEUX, 2012 - 2013

- Established run rates for manufacturing production processes.
- Helped execute a Lean Six Sigma Black Belt Project to establish key contributors to dehydration and condensation.

SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP, MAYO CLINIC, SUMMER 2011

- Co-wrote a scholarly research paper: "Modulation of Mitochondrial Complex I Activity Averts Cognitive Decline in Multiple Animal Models of Familial Alzheimer's Disease."
- Performed data analysis and experimentation on Murine Models with the Alzheimer's Mutation.

EDUCATION

B.S. IN BIOENGINEERING, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, 2012

- International Minor in Engineering: French Studies.
- International Minor in Engineering: Latin American Studies.

SKILLS

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|---------------------------------------|---------------------------|------------------------------------|
| • SME in Manufacturing | • Manufacturing | • Trackwise |
| • Proficiency in SAP | • Continuous Improvement | • First Responder Certified (2018) |
| • Aseptic Technique | • Lean Manufacturing | • Fluent in French |
| • cGMP | • 5S | |
| • Good Documentation Practices | • Recruiting and Training | |
| • Root Cause Analysis | • Native Spanish Speaker | |
| • Lean Six Sigma Green Belt Certified | • ISO 9001: 2015 | |
| | • Minitab | |