

ISAAC P. LYAUTEY

OBJECTIVE

Obtain a result driven position in process/manufacturing engineering with which I can work with and lead cross-functional teams utilizing proven business and product optimization skills of Total Productive Management in order to achieve a high degree of quality, safety and a Lean Six Sigma culture.

WORK EXPERIENCE

Period	June 2021 —	
Employer	Huhtamaki Inc.	
Location	Fulton, NY	
Job Title	Continuous Improvement Specialist	

- Six Sigma Green Belt

Lead 2 Six Sigma teams, one tackling a printing process focusing on improving OEE by reducing scrap and non-value-added material use (110k YOY); The other team tackled productivity discrepancies between generations of forming equipment leading to large gains in sharing of ideas (est. YOY >76k)

- Various Process Improvements

Improvements to process controls include oil tank monitoring systems, automation of clerical duties and leading a Process Control Systems rollout in all departments. PCS includes a combination of real-time machine performance and safety/quality/MEI reports displayed using Osisoft PI Vision.

- Total Productive Maintenance Leader

Lead 1 Kaizen/Lean event targeting a machine with high oil consumption (YOY 11k) which was heavily driven through teamwork between operations and maintenance staff.

- Data Analyst

Because of a strong background in data querying, aggregation and analytics learned through experience in software engineering and statistical research I was tasked with backfilling the Operations Analyst position while a replacement was sought for 4 months. Tasks included production reporting corrections by use of analytics, monthly MEI roundups and training of new-hire.

Period	January 2019 — August 2019	Period	January 2020 — August 2020
Employer	Quest Global	Employer	Howmet Aerospace
Location	Windsor Locks, Connecticut	Location	Niles, Ohio
Job Title	Industrial Engineer	Job Title	Process Engineer

- Labor Variance & Capacity

Collected the production demand, clock hours and part routings to map predicted vs actual labor times across all operations in all cells. Data was collected and compiled into a SQL database and through various manipulations produced a view for PowerBi interaction.

- Playbook & Task Scheduling

Facilitated factory-wide events to analyze the production-pacing process and find ways to improve productivity. Improvements included ergonomic adjustments, improved fixtures, layout adjustments and per-shift scheduling.

- Part Tracking

Identified cells in which improved part tracking could be implemented. Then implemented an automated framework for part tracking and progression using SQL, C# and VB.NET.

- In Process Checks

Grind process featured high dimensional variability causing out of tolerance conditions. Created and implemented Standard Work Procedure in previously uncontrolled process to reduce said variability.

- Operator Training

Replaced in-process engineering checks with SWP defining expectations of the process, common defect scenarios and defined escalation paths when tolerance is endangered.

- Automated Inspection Data Collection

Work with dimensional inspection operators to create a streamlined data entry interface which reduced input error and increased readability over the old system both on the operator's end and engineering's. This app incorporated WPF, EF, and SharePoint.

EDUCATION

PERIOD	August 2018 — Present	Graduation	March 2021
DEGREE	Bachelor of Science in Mechanical Engineering	GPA	3.51
SCHOOL	Rochester Institute of Technology		Rochester, New York
CLASSES	Fluid Mechanics I/II	Classical Controls	Senior Design
	Heat Transfer I	Mechanical Design & Prototyping	Engineering Applications Design Lab
SKILLS	Material Science	Mechanics of Materials	Statics
			Dynamics
			Probability & Statistics I/II

PROTOTYPING 3D Printing, CNC Programming, Arduino Microcontroller, RPi, Water Jet, Welding, Soldering

TOOLS Excel, Matlab, PowerBi, SAP, SharePoint, PI (Osisoft), PI Vision, BPCS

COMPUTER LANGUAGES C#, VB/A, Python, SQL, Java

Manufacturing Ultrasonic Non-Destructive Testing, Dimensional Inspection, Grinding, Lathe, Mill, Paint Application

CAD Solidworks, AutoCAD, PTC Creo, Onshape

Other Linux, Git

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