Leopold Achterberg

Industrial Engineer
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SUMMARY

Industrial engineer with 4 years of experience in automotive parts and consumer goods manufacturing, working mainly in Lean Six Sigma, time studies and discrete-event simulation. Rebalanced an assembly line that raised throughput by 18% and led a 5S project that cut tool-search time by 70%. Known for data-backed process changes operators actually keep using.

EXPERIENCE

Industrial Engineer — Carrow Axle & Drivetrain

Greenville, SC · Feb 2023 – Present

- Rebalanced the rear-axle assembly line using time studies on 40 operations, raising throughput from 210 to 248 units a shift.
- Led a 5S and visual-management project across 3 work cells, cutting average tool-search time from 4 minutes to 70 seconds.
- Built a discrete-event simulation in Arena to test 3 staffing scenarios before a new product launch, avoiding a $220,000 overstaffing mistake.
- Ran a Six Sigma DMAIC project on weld defects that cut the defect rate from 3.8% to 1.1%, saving an estimated $140,000 a year in rework.

Process Engineer — Palmetto Consumer Products

Greenville, SC · Aug 2021 – Jan 2023

- Conducted time-and-motion studies on 12 packaging stations and redesigned 4 workstations, cutting repetitive-motion strain reports by half.
- Updated standard work instructions for 30 operations after a line changeover, cutting new-operator training time from 3 days to 1.
- Analyzed 6 months of downtime logs and traced 35% of stoppages to 2 aging conveyor motors, which led to a planned replacement.

SKILLS

Process improvement: Lean manufacturing, Six Sigma (Green Belt), DMAIC, 5S, kaizen events

Analysis and tools: Time studies, line balancing, discrete-event simulation (Arena), Minitab, Excel

Systems: SAP, AutoCAD (basic layouts), MES/ERP reporting

Collaboration: Cross-functional kaizen teams, operator training, root cause analysis

CERTIFICATIONS

Lean Six Sigma Green Belt, 2022

EDUCATION

B.S. Industrial Engineering, Clemson University, 2021

Fictional example by FindAJobAI: the person, employers and numbers are invented.