

ALEXANDER MATTOCK

Cell: (636) 634-5920

<https://www.linkedin.com/in/alexandermattock>

SUMMARY

Experienced team leader and continuous improvement developer focused in delivering operational excellence. Skilled in problem analysis, teambuilding, and project management.

Strong leader with a Bachelor of Science and two Six Sigma Lean certifications.

PROFESSIONAL EXPERIENCE

BENSON HILL, St Louis, MO

Crop improvement company who aims to unlock the natural diversity of plants with a revolutionary crop design platform to develop healthier food and ingredients.

Automation Engineer I

2023-Present

- Mapped processing workflows for high volume handoffs from manufacturing to lab analysis. Implemented modifications to workflows which resulted in 250% throughput increase. Recognized in all company town hall by executive management.
- Designed and created centralized database within Confluence for legacy and current systems. Platform functionality utilized embedded connectors between MS Power Platform and Atlassian for stakeholder transparency and ease of use.
- Managed automation changes to building chilled water circulatory pumps, that lead to an average savings of \$2000 per month by reducing delta on supply and return feeds.
- Lead the redesign of Benson Hill's "Centralized Seed Handling" operation, resulting in a 75% reduction in operational footprint and headcount, while upholding high quality, safety and compliance standards.

Project Supervisor

2022-2023

- Responsible for the development and implementation of technological projects specifically regarding indoor controlled environments for breeding trials.
- Lead the design and customization of Benson Hill's Computerized Maintenance Management System (CMMS) for tracking assets, work orders and growth chambers to establish Optimal Equipment Effectiveness (OEE) at 85%, uptime, downtime, and cost.
- Directly managed and implemented the automation technology strategies critical to operations, yielding over \$100,000 in cost savings.
- Developed novel protocols that managed the revision of workflows to reflect ROI and IRR data through capital expenditures (CapEx) submissions.
- Collaborated with Environmental Health & Safety team to standardize operating procedures for company-wide PPE, safety, chemical handling, and waste.

BAYER, Hazelwood, MO

Research Seed center dedicated to delivering regulated and non-regulated seed internationally for internal field trials.

Operations Specialist II

2020-2022

- Responsible for overseeing twenty departmental staff in production and maintenance, quality, and compliance, handling regulated material across the breeding organization.
- Deployed lean practices for material transport workflows resulting in removed bottlenecks and quality assurance improvement reducing turnaround time by 17% by deploying automated camera technology.
- Created site-wide spotfire visualization dashboard to improve product logistics and delivery transparency across site departments for better deployment of limited staff.

- Developed system for financial data tracking through Spotfire to monitor and forecast expenses by item, year, and vendor for leadership budget allocation transparency.

Facilities Supervisor

2020-2021

Responsible for implementation and supervision of procedures, software processes, and team buy in towards maintenance.

- Lead the consolidation of Maintenance Connection (CMMS) software across site, to track machinery uptime and downtime, requests, assets, expenses, and inventory, for budget and staff allocation transparency.
- Deployed lean practices to streamline service requests and third-party vendor call outs, resulting in a 120% decrease in repair time, 200% increase in ticket submission, and 250% decrease in repair costs compared with 2020.
- Overhauled all inventory workflows and structure in partnership with Shelling Research Specialist and Operations Lead to improve efficiency, ergonomics, and output.
- Managed technical team to modify RFID hardware to improve accuracy and ergonomic integrity of technology.

MAIN STREET GYM, St. Charles, MO

Personal Training gym committed to delivering best- in-class fitness and nutrition solutions.

General Manager

2017- 2020

Responsible for overhauling gym pricing structure, expense reporting, hiring/firing of team members and development of core processes to maintain safety, cleanliness and equipment of facility.

- Implemented of state-of-the-art facility technology in addition to gym remodeling, painting and construction.
- Lead utilization of lean tools to implement a cost-effective approach to staffing and purchasing, resulting in a 24% increase in profitability.
- Designed and lead student internship program. Reinforced performance objectives by introducing an incentivization structure for employees, reducing monthly expenses and core employee turnover.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Exercise Science, Lindenwood University, St. Charles, MO
 ||| Lean Six Sigma Yellow Belt ||| Lean Six Sigma Green Belt ||| OSHA 30 General Industries ||| PMP, PMI
 (Completed in October) ||| Full Stack Coding Certification, Washington University (completed in November)

SKILLED IN

BAS, Low code/No code programming, JAVA, JSON, node.js, React, HTML, CSS, MS Azure & Power Platform, AWS & QuickSight, Spotfire, CMMS (Maintenance Connection), iGraphics, FlexSim, Raspberry Pi (IoT),

**References available upon request.*
