

||SUMMARY||

Dynamic professional with expertise in industrial engineering and management. Skilled in continuous improvement, quality control, lean engineering, CAD and programming, with extensive knowledge of manufacturing processes and optimization. Proven track record in teaching, research, and optimizing processes through data-driven decisions.

||EDUCATION AND CREDENTIALS||

DOCTOR OF PHILOSOPHY IN INDUSTRIAL ENGINEERING (EG -2026) | GPA: 3.91 ▪ *Western Michigan University*

MASTER OF SCIENCE IN ENGINEERING MANAGEMENT, 2019 | GPA: 3.72 ▪ *University of the West of England*

BACHELOR OF ENGINEERING IN INDUSTRIAL ENGINEERING, 2018 ▪ *University of Jordan*

PRINCE2 Project Management, 2019

LEAN SIX SIGMA GREEN BELT (LSSGB), 2025

||WORK EXPERIENCE||***Hutchinson, MI, USA*****INDUSTRIAL ENGINEER****June 2025 – Present**

- Improving production efficiency and reducing costs through process optimization, Lean principles, and standardization.
- Conducting capacity analyses and leading continuous improvement initiatives related to cell design, product routing, ergonomics, and material flow.
- Planning facilities, developing layouts, and creating 3D plant models using point cloud data and CAD software.
- Leading multiple large scale facility improvement projects across two plants to support evolving business strategies.
- Collaborating with cross-functional teams to streamline and execute manufacturing improvement projects

Western Michigan University, MI, USA**DOCTORAL GRADUATE TEACHING ASSISTANT****September 2022 – 2026**

- Taught Statistical Quality Control, Cost Analysis, Engineering Statistics, Continuous Improvement and Probability for Engineers courses.
- Evaluated and graded examinations, assignments and projects and recorded grades.
- Helped in developing syllabi, visual aids and other teaching materials.

Main Achievements

- Guided over 280 students in developing project ideas, fostering their academic growth.
- Effectively conveying statistical concepts and practical applications using Minitab and Excel in many labs.

Western Michigan University, MI, USA**DOCTORAL GRADUATE RESEARCH ASSISTANT****September 2021 – September 2022**

- Helped in proposing and securing an industry grant related to quality control applications.
- Collected, processed, and analyzed high-density point-cloud data and developed concise summaries to present research results.
- Assisted in coordinating with funding partners to ensure effective communication and reflect project progress.
- Maintained laboratory operations and assisted with testing activities.

Main Achievements

- Project required deliverables and expected outcomes were successfully delivered on time.
- learned a variety of state-of-the-art technologies, such as industrial robotics programming, non-contact high-density metrology equipment (i.e., Faro Laser ScanArm and Keyence 3D MacroScope), and point-cloud acquisition/analysis software.

Cisco – Estarta, AMMAN, JORDAN**BUSINESS DEVELOPMENT COORDINATOR**

March 2020 – July 2021

- Evaluated and analyzed data to support upper management.
- Coordinated with account managers to identify opportunities and convert them into booked deals.
- Business development and business analysis integration using data analytics.

Main Achievements

- Tracked and generated over 400 sales leads, resulting in booked deals worth more than \$10 million in value.
- Assisted in creating more than 10 Salesforce dashboards to enhance performance visibility and productivity.

*Nevada Solar Systems, AMMAN, JORDAN***QUALITY ENGINEER**

May 2016 – October 2017

- Helped in Managing quality documentation and facilitating the transition from development to production.
- Used PFMEA to develop control plans and work instructions and helped in ISO -9001 planning.
- Led the preparation and timely submission of PPAP documentation, ensuring alignment with customer requirements.
- Utilized core quality tools (FMEA, Control Plans, MSA, SPC) to analyze process capabilities and support continuous Improvement initiatives.

Main Achievements

- Helped in Developing and installing new improved racking systems.
- Assisted in applying a new quality control test protocol for the efficiency of the inverters.
- Reduced customer complaints by 35% over six months by implementing targeted corrective actions and enhancing communication with production teams.

|| PUBLICATIONS ||

- Majali, A. A., Wells, L. J., & Elhabashy, A. E. (2025). Evaluating the effectiveness of control charting schemes in detecting malicious attacks targeting manufacturing systems. *Quality and Reliability Engineering International*. <https://doi.org/10.1002/qre.3818>
- Shetty, R., Majali, A. A., & Wells, L. (2024). Surface insight: Leveraging high-density dataset fusion for enhanced roughness classification. *Manufacturing Letters*, 41, 182–190. <https://doi.org/10.1016/j.mfglet.2024.09.022>
- Shetty, R., Majali, A. A., & Wells, L. (2024). Enhanced Classification of refractory coatings in foundries: a VPCA-Based Machine learning approach. *International Journal of Metalcasting*. <https://doi.org/10.1007/s40962-024-01427-0>
- Shetty, R., Al Majali, A. & Wells, L. Integrating Spatial Statistics and Digital Processing for Enhanced Surface Quality Classification in the Foundry Industry. *Inter Metalcast* (2025). <https://doi.org/10.1007/s40962-025-01673-w>
- Shetty, R., Al Majali, A. & Wells, L. Predicting Surface Roughness in Foundry Applications Through MPCA and Convolutional Neural Networks. *Inter Metalcast* (2025). <https://doi.org/10.1007/s40962-025-01618-3>

|| TECHNICAL ACUMEN ||

Minitab | AutoCAD | FlexSim | ProModel | 3D Printing | Arena | GeoMagic Design X | Quick Response Quality Control | Statistical Process Control (SPC) | Pareto Analysis | Advanced Product Quality Planning (APQP) | Process Failure Mode and Effects Analysis (PFMEA) | Root Cause Analysis | Python | Creo 3D | CloudCompare | MS Word | Budgeting and Financial Analysis | Project Management | PPAP | ISO-9001 | VBA | Automation | Revit