

Jerod Williams

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Manufacturing Engineering

PROFESSIONAL SUMMARY

Forward-thinking Manufacturing Engineer with more than 17 years of experience in process design and establishing manufacturing routines. Known for great time management, effective multitasking and detail-oriented planning.

WORK HISTORY

Yanfeng-McCalla, AL (Mazda/Kia Door Panel/Glove Box Supplier)

09/2024-Present

Senior Manufacturing Engineer

- Recommended and implemented improvements to production processes, methods and controls, coordinates manufacturing launch for new or revised products.
- Carried out process improvements, problem resolution, project management and helps with employee training.
- Understood multiple automation interfaces with robotics, traceability, and vision systems that are used for manufacturing and Poke-Yoke Systems.
- Prepared/maintained AutoCAD drawings for current/future business and continuous improvement Projects.
- Performed research, design and development of manufacturing processes including production flow, assembly methods and production equipment.

Lear Corporation (Seating)- Brookwood, AL (Mercedes Automotive Seating Supplier)

01/23-09/24

Industrial Engineer II

- Set labor standards through time studies or MOST Analysis for existing or future processes.
- Determined manpower requirements and modified work methods.
- Developed implementation strategies for modifications to plant layout (AutoCAD) and production processes.
- Developed cost efficient processes in the engineering field.
- Created and maintained APQP documents (i.e. PFMEA, PFD, SWI for present & future plant processes).
- Designed and/or specifies work fixtures and modifies as required by production.
- Performs cost analysis to determine feasibility of new products or processes.

Universal Logistics Holdings, Inc - Tuscaloosa County, AL (Lear Logistics Contractor)

04/2022 – 12/2022

Industrial Engineer

- Drafted equipment layout plans to enhance workplace efficiency for new and existing production floors.
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- Authored production reports on impact of amelioration measures applied to manufacturing processes.
- Streamlined material handling and material flow procedures to reduce overall production times and shorten lead times on custom orders.

Moller Tech - Woodstock, AL (Mercedes Door Pillar Supplier)

04/2021 - 02/2022

Process Engineer

- Utilized and enforce the use of sound manufacturing tools, including Lean Tools, Statistical Analysis, problem solving and team Building in their work.
- Designed, developed, tested, sourced and cost-justify various tools, machinery and equipment needed to meet the process requirements in manufacturing.
- Worked with a cross functional team to optimize processes, maintain a high level of engineering competence, track and react to identified issues, risks, or opportunities.
- Monitored, measured and audited processes to identify opportunities for improvement, standardization, cost reduction and improved efficiency.
- Adhered to company policies and procedures to insure a safe and compliant work environment.

Grammer Inc. - Tupelo, MS (BMW Center Console Supplier)

08/2018 - 09/2020

Industrial Engineer

- Established power point presentations and technical documentation utilizing MS Word, Excel and PowerPoint to provide clear root cause analysis.
- Performed root-cause analysis utilizing tools such as 8d, PDCA, Fish Bone Diagram, and 5 why.
- Implemented new tooling and machinery for enhancements in process efficiency and program launch.
- Collaborated with external suppliers in terms of supplier relationship management and P.O authorization for new product implementation.
- Designed manufacturing processes with a cross-functional team environment to enhance overall process efficiency.
- Utilized six sigma concepts to create/modify process documents such as PFMEA, Control Plan, and Process Flow diagrams.
- Created engineering documentation for manufacturing processes, equipment specifications and change notices.
- Decreased in-house production issues by establishing and coordinating sub-contracting and outsourcing requirements and processes.
- Performed root cause analysis and implemented corrective actions.
- Analysed product and process and provided actionable solutions for changes to processes, products or quality standards.

Faurecia Automotive Seating - Madison, MS (Nissan Automotive Seating Supplier)

11/2010 - 08/2018

Continuous Improvement Engineer

- Contributed to lead time reduction through implementation of continuous flow, layout optimization, and pull systems for production.
- Developed headcount organization plans to achieve high levels of operational performance.
- Trained employees to corporate culture and compliance at supervisor & team leader level.
- Created/utilized process control documents for process monitoring, qualification and/or design feedback.
- Utilized hands-on skills to build/restructure equipment, top 5 meeting boards, team lead boards, and organized documents on boards relating to customer necessity/relevance.
- Utilized CADD skills to restructure/organize workstations relating to ergonomic issues and part presentation.
- Performed time studies/created standardized work to increase overall throughput and workstation efficiency.

EDUCATION

Master of Business: Concentration: Business Administration
Northcentral University (National University)- Prescott Valley, AZ 05/2018

Bachelor of Science: Concentration: Engineering Technology
Mississippi Valley State University - Itta Bena, MS 06/2016

Associates of Applied Technology: Concentration: Computer Drafting and Design
ITT Technical Institute - Madison, MS 06/2011

Associates of Arts: Concentration: Liberal Arts
East Mississippi Community College - Scooba, MS 06/2004

CERTIFICATIONS

SSGI Lean Six Sigma Certification - Belden, MS - November 2019

Accenture Workforce Optimization Academy BasicMOST Certification- Tuscaloosa, Al- July 2024

APIS IQ Software (PFMEA/Control Plan) Certification- Tuscaloosa, Al- September 2023

WORKFORCE SKILLS

Advanced AutoCAD Skills/3d Modeling
Advanced Microsoft Office Skills (Excel,Word,Outlook,Powerpoint)
MOST Analysis
PFMEA/Control Plan
Process Documentation
Operations Management
Workstation Optimization (AutoCAD/Draftsight)
Training
Manufacturing Time Studies
Hoshin/Kaizen Experience (5+ years)
10+ Years Residential/Architectural Design Experience
17 Years Manufacturing Experience (JIT)
Machining Efficiency

HONORS

GLG Expert Member (Manufacturing Consultant) 2026

Who's Who in America Listee (Science and Engineering) 2024

Regional Kaizen Competition Winner-Process Flow (Kaizen Score 8.1) (Lear Seating) 2024

Regional Kaizen Competition Winner-Line Balancing (Kaizen Score 8.9) (Lear Seating) 2023

Member of National Society of Leadership and Success (Northcentral University) 2020

Member of Delta Mu Delta Honor Society (Northcentral University) 2018

Magna Cum Laude Honors Graduate (Northcentral University) 2018

Summa Cum Laude Highest Honors Graduate (ITT-Technical Institute) 2011

Student of the Quarter Award (ITT-Technical Institute) 2009-2010

All-Southwestern Athletic Conference Team (SWAC Team) 2004-2006

Student Athlete of the Year (Mississippi Valley State University) 2004-2005

Most Outstanding Offensive Player Award (Mississippi Valley State University) 2004-2005

Fellowship of Christian Athletes Scholarship (Mississippi Valley State University) 2005

Dean's List (East Mississippi Community College) 2003

National World Series Champion (West Point Mississippi) 2002

5A All-State Football/All-Star Baseball Player (Starkville High School) 2002