

# Jerod Williams

5501 Old Montgomery Rd, Tuscaloosa AL 35405

Phone: 662.769.6760

Email: Gaga1102.jw@gmail.com

## Manufacturing Engineering

### PROFESSIONAL SUMMARY

Forward-thinking Manufacturing Engineer with more than 16 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