

ELOY LEDEZMA

AERONAUTICAL MANUFACTURING ENGINEER



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(901) 264-3120



Lakeland, Tennessee
38002

PROFESSIONAL SUMMARY

Manufacturing Engineer with over 18 years of diversified design, manufacturing, testing, and maintenance experience in high and low-volume production. Extensive background in Aeronautical engineering. Aggressive at identifying and resolving inefficient procedures and processes.

SKILLS

- Statistical Data Analysis
- Equipment Precision Evaluation
- Design Standard Development
- Standards Determination
- Leadership Teamwork
- Planning and Coordination
- Critical thinking Flexible & Adaptable
- Conflict resolution
- Organization and Time management
- Microsoft Office Computer Skills
- Good telephone etiquette
- SIX SIGMA Lean Manufacturing
- Solid Works
- CATIA V5

WEBSITE, PORTFOLIO, PROFILES

<https://www.linkedin.com/in/eloy-ledezma-msc-8b188456/>

• WORK HISTORY

The Delfield Company Inc - Manufacturing Engineer III
Covington, TN • 11/2021 - Current

- Inspect finished products for quality and adherence to customer specifications.
- Make sure that products were produced on time and are of good quality.
- Inspect products and machines to maintain quality and efficiency.
- Examine incoming materials and compared them to documentation for accuracy and quality.
- Plans and designs manufacturing processes for a production facility.
- Analyzes assembly, fabrication, machining, and other processes.

EDUCATION

University of North Alabama

Florence, AL • 05/2022

Master of Science: APPLIED
MANUFACTURING ENGINEERING

VENEZUELAN MILITARY

UNIVERSITY (UNEFA) 11/2003

Bachelor of Science:
Aeronautical Engineering

- Maximize efficiency by optimization of layout of equipment, workflow, assembly methods, and work force utilization.

LINCOTEK MEDICAL - MACHINE OPERATOR

BARTLETT, TN • 01/2019 - Current

- Performing tasks to set up
- Operate machine
- Monitor machine during operation
- Troubleshoot and performs preventive maintenance
- Performs periodic tests and repairs
- Inspect parts to specifications and making adjustments
- Read and interprets blue prints and diagrams for manufacturing procedures
- Apply grit-blasting and blasting (post-processing) to medical implants
- Evaluate and inspect parts (medical implants) when coating process is finished
- Issue Nonconformity document.

AERIAL ROBOTIXS - MANUFACTURER ENGINEER

San Jose • 09/2017 - 05/2018

- Drones manufacturing
- Developing new products according to customer requirements
- Configuring and optimizing industrial processes from inception through to start up and certification
- Assessing processes, taking measurements and interpreting data
- Designing production processes and technical documentation
- Running, and upgrading systems and processes
- Testing final product according to required quality standards
- Providing Engineering reports, Minitab
- Responsible
- Basic math
- SIX SIGMA Lean
- Manufacturing
- Solid Works
- Executing performance qualification (IQ/OQ/PQ)
- Communication with Civil Aviation Authority for certification process development

- Used Microsoft Word and other software tools to create documents and other communications

UNMANNED AIRCRAFT SYSTEM EXTERNAL - MANUFACTURING ENGINEER

01/2017 - 09/2017

- SIGIS CA, CARACAS-VENEZUELA, DISTRITO CAPITAL
- Evaluates manufacturing processes by designing and conducting research programs of composite material parts
- Applying knowledge of product design, fabrication, assembly, tooling, fixture, and materials related to composite and metallic parts
- Conferring with equipment vendors; soliciting observations from operators
- Providing production line support including, but not limited to, implementing process improvements, troubleshooting equipment, and addressing operator inquiries
- Generating and modifying manufacturing process documentation and assuring that manufacturing processes and related documentation follow established policies and procedures
- Assisting in identifying equipment needs on production floor and evaluating internal and external options for sourcing such equipment
- Generating and modify component and assembly drawings using Solid Works
- Developing and releasing new products using customer or internal specifications
- Writing and executing process and equipment validations (IQ/OQ/PQ)
- Performing equipment maintenance by following manufacturer's instructions and established procedures
- Working with external vendors as needed.

PILOT VENEZUELAN MILITARY INDUSTRIES

02/2014 - 12/2016

- Recorded maintenance actions in aircraft logbooks
- Assisted with aircraft and equipment transport and movement
- Monitored parts department and placed orders for maintenance supplies on consistent basis

- Unmanned Aerial Vehicle (UAV) Pilots/Maintainers
- Serve as external pilots and directly control flight of
- UAVs during launch and recovery operations by visual reference to UAV.

VENEZUELAN MILITARY INDUSTRIES - PROCESS ENGINEER *01/2010- 12/2013*

- MARACAY, ARAGUA
- Developed documentation, including diagrams and specifications, to meet project requirements and regulatory standards
- Established project schedules and monitored tasks to meet milestones during each phase
- Develop, configure and optimize industrial processes from inception through to start up and certification
- Assess processes, take measurements and interpret data
- Design, run, test and upgrade systems and processes
- Develop best practices, routines and innovative solutions to improve production rates and quality of output
- Perform process simulations
- Manage cost and time constraints
- Perform risk assessments
- Provide process documentation and operating instructions
- Executing performance qualification (IQ/OQ/PQ)

VENEZUELAN MILITARY INDUSTRIES - DESIGN ENGINEER *ARAGUA • 03/2004- 01/2010*

- Supported engineering design development through analysis and simulation of prototypes and 3D computer models
- Research and draft blueprints, engineering plans, and graphics
- Develop test prototypes
- Identify solutions to improve production efficiency
- Maintain existing engineering records and designs.

VENEZUELAN MILITARY UNIVERSITY

09/2004 - 12/2006

- ARAGUA
- Encouraged class discussions by building discussions into lessons, actively soliciting input, asking open-ended questions and using techniques to track student participation
- Shifted between informal and formal methods of teaching to create multi-layered web of learning incorporating experiments, practical activities, discussions and projects into lessons
- Applying scientific method to all disciplines within their field
- Building course curriculum
- Preparing course syllabi
- Mentoring students
- Presenting lectures
- Creating supplemental instructional materials
- Accurately evaluating students' progress
- Grading.

UNIVERSITY PROFESSOR - Education

09/2004 - 12/2006

Assess all engineering prototypes to determine issues or risks

- Estimate cost limits and budgets for new designs
- Supervise manufacturing process of all designs
- Supervise integration of Systems and Sub-systems
- Supervise testing product procedures

LANGUAGES

Spanish



Native or Bilingual

English



Full Professional