

SUMMARY

Energetic Engineer with a resourceful, hardworking, and quality-driven mindset. Proactive in tackling equipment and system issues to maintain operational efficiency. Top-notch leader and project manager with an organized and systematic approach. Clear communicator, decision maker, and problem solver.

SKILLS

- Excellent multi-tasking ability
- Advanced critical thinking
- Highly skilled in 3D and 2D CAD
- Test and Tooling development
- Project management
- Deadline-oriented
- Forward-thinking mindset
- Microsoft Office, Visio and Project
- SolidWorks, SolidEdge, AutoCAD & Inventor
- SAP experience and knowledge
- Labview programming concepts
- C++, Java, MATLAB and VBA Programming
- GD&T training
- Data Acquisition Understanding

EXPERIENCE

Senior Repair & Overhaul Engineer

7/2021 to Present

Collins Aerospace – Landing Gear Systems

Miami Gardens, FL

- Manage the submittal of Salvage Repair Documents, or SRDs, to prime manufacturer for out-of-scope repairs.
- Review CMM and SOPMs to establish proper processing of components, this includes technique sheets and troubleshooting documentation.
- Update maintenance documentation in SAP system, including work orders, master routers, & condition reports.
- Member of the internal quality clinic where investigations are performed for escapes, warranties, and in-process non-conformances among others.
- Participate in Root Cause Corrective Action (RCCA) investigations for the C-17 military program.
- Developed test equipment to troubleshoot electrical components for the F-35 program.
- Perform landing gear induction and configuration tasks to ensure optimum LRU delivery.
- Identify failure trends among programs, parts usage and scrap rates, to propose CMM redlines to prime manufacturer.

Engineering Technician

12/2020 to 6/2021

Future Aviation, Inc.

Fort Myers, FL

- Responsible for the reverse engineering, design, release and certification of parts and assemblies to reduce repair costs, resulting in competitive advantages for the company.
- Prepared Engineering Orders and substantiation packages for repair development and approval.
- Designed test and tooling equipment to support repair process and verify compliance with applicable documentation.
- Point of contact and interaction with customers to clarify repair intents as well as any other technical concerns or questions.
- Used inspection equipment such as a coordinate measuring machine (CMM), visual measuring machine (VMM), optical equipment, pin gages, calipers, micrometers, etc. in the analysis and reverse engineering of aircraft parts.

Senior Engineer

10/2019 to 10/2020

HEICO Component Repair Group, Inc.

Miami, FL

- Prepared and checked DER/Engineering Order documentation to support major and minor repairs with minimal or no supervision.
- Applied mechanical design principles, including design for manufacturing (DFM) and geometric dimensioning and tolerancing (GD&T).
- Determined and employed proper specifications for materials, finishes and processes during the reverse engineering process.
- Reviewed designs for accuracy, functionality and manufacturability.
- Supported Q&A department and suppliers concerning drawing interpretation, process and inspection methods, etc.

EXPERIENCE cont'd

*Lead Engineer***10/2017 to 10/2019****HEICO Component Repair Group, Inc.****Miami, FL**

- Managed a team of engineers responsible for coordinating the development of new capability.
- Planned and coordinated the design and documentation of tooling and test equipment.
- Used CAD software to create technical drawings and prepared equivalency documentation.
- Recommended and selected new and replacement test equipment to improve turn-around times and testing capabilities.
- Applied principles of six sigma to advance and improve tooling development efficiency.
- Lead project scheduling and budgeting to successfully and quickly complete engineering projects.
- Recruited two recent college grads and trained them to be Junior Engineers.

*Process Engineer***07/2015 to 10/2017****HEICO Component Repair Group, Inc.****Miami, FL**

- Wrote protocols, qualification documents, test plans and test reports for quality assurance purposes.
- Reviewed processes, identifying areas that required improvement.
- Improved methods for measurement, documentation, and work flow management for the military division.
- Established procedures for proper maintenance and repair of military aircraft parts.
- Prepared bid packages for military and government contracts.
- Coordinated with vendors to identify and procure appropriate equipment necessary to expand the company's military capabilities.
- Identified and recommended changes to existing processes to improve accuracy, efficiency, and responsiveness of the engineering department.

*Engineering Assistant***01/2011 to 06/2015****AIRE-TECH Engineering Group, Inc.****Miami, FL**

- Managed multiple projects simultaneously within budgetary restrictions.
- Resolved part and assembly discrepancies.
- Collaborated with engineers and project managers regarding design parameters for client projects.
- Carefully organized, analyzed, and prepared technical data reports to ensure proper workflow and productivity.
- Created CAD models and drawings for tooling and mechanical designs.
- Completed projects by effectively applying engineering, technical, and maintenance procedures.

*Purchasing Agent***09/2009 to 12/2010****AIRE-TECH Aviation Supply, Inc.****Pembroke Pines, FL**

- Maintained consistent email communication with suppliers to confirm and track orders.
- Created detailed expense reports and requests for capital expenditures.
- Researched new vendors and partners to obtain the most cost-effective pricing for parts.
- Sourced and qualified bidders, received favorable pricing and finalized contracts.
- Searched for hard-to-find parts and found high-quality, reliable vendors.
- Accepted and processed parts requests from production, and placed orders per procedures.

*Repair Coordinator***08/2008 to 09/2009****AVCO Aviation Consultants, Inc.****Miramar, FL**

- Developed tools to track and monitor repair opportunities, deals in progress, and fulfilled contracts.
- Planned and executed repair department improvements, updating the company's approach to the market cost analysis.
- Developed spreadsheets to track inventory, client proposals, contracts, and subcontracts.
- Tracked repair orders and notified customers of status or potential delays.
- Processed and entered all customer orders into a database and provided proactive customer service for all accounts.

EDUCATION

Master's degree: Business Administration in Aviation	Present
Embry-Riddle Aeronautical University – Project Management track.	Daytona, FL
Master's degree: Engineering Management	2017
<i>Florida International University. Systems Engineering track.</i>	Miami, FL
Bachelor's degree: Biomedical Engineering	2016
<i>Florida International University. Cum Laude. Minor in Chemistry</i>	Miami, FL

CERTIFICATIONS

Fundamentals of Engineering (FE) – Mechanical	2018
<i>Florida EI License Number: 1100022239</i>	Miami, FL

LANGUAGES

Bilingual English/Spanish.

REFERENCES

Available upon request.