

Bruce Lee Lynch 6144 Del Paz Dr Colorado Spring, Co 80918	bruce_lynch@live.com 541-969-0153
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SUMMARY

I am a U.S Army Veteran of 8 years, with an Honorable Discharge. Engineer minded with 30 years of progressive experience as an Engineering Technician in mechanical and electronic assembly, research and development, Inspection, maintenance, and retrofits. FAA repair station refurbishment, DOD aircraft repair. Aircraft Avionic cable harness assembly, testing and repair, Aircraft structure assembly. CAD drafting and blueprint reading, drawing creation, engineering change orders, bill of material corrections and print drawing corrections. I maintain a broad knowledge of machine operation, repair and assembly processes, inspection of parts to print, and technical writing; including DOD, FAA, and AIP guidelines for all aviation and military applications. I find a degree of fulfillment in the creation of applicable, cost effective, real world solutions, to development, production and repair environments.

Skills

- Level IV Lead mechanical & electrical assembler, sheet metal fabrication, modification, and installation of heavy equipment. Ability to read and interpret complex engineering drawings, Blueprints, and schematics.
- Aircraft structure assembly and repair, Avionic cable harness assembly CAT 5 & 6 to IPC620, MIL-HDB-454, Boeing and NASA Specs'.
- Software proficiency in Microsoft Word, Excel, PowerPoint, Creo Pro E, Workday, Maximo, Data works, and SAP production software.
- Team player and great communicator, highly motivated, self-starter and independent worker
Technical writing, machine tear down and refurbishment of CNC machines.
- Engineering Technician, CAD drafting and print drawings for tooling, plant floor and machine modifications to include design, development, and testing using Creo Parametric software.
- Research and development, product testing, mechanical operations, electrical, and Environmental testing.
- DSQR Source Inspection of manufactured parts and assemblies in accordance with engineering drawings and part specifications.
- Ability to use all Inspection tools, calipers, micrometers, indicators, height gages, optical comparator, depth gauges and microscopes to measure high-precision machined parts.

- Experience with GD&T, ISO 9001- 2015, and AS9100 Quality systems, Lean manufacturing, and 5s.
- Unique natural troubleshooter, with an ability to visualize and correlate root cause analysis into viable solutions, supported through diagnostics and analysis.
- Home construction of foundation footers and walls, basement, floor decking, framing, sheet rock, siding, roofing, plumbing, electrical, garage floor and driveway concrete finishing.

Experience

Source Inspector

Contract work for Woodward Inc Monday through Sat 60 hrs per week Sept 2019-Dec 2019

- Quality final Source Inspection of multiple Hydraulic actuators and components.
- Dimensional and visual inspection of manufactured parts and assemblies.
- DSQR Source Inspection of Boeing and Spirit Hydraulic actuators.
- Document control of work orders, scanning of documents, preparing Certificates of Conformity, and Shipping Order's.

Test Technician

Contract work for UTC Aerospace Monday through Sat 72 hrs. per week Jan 2019 – Jun 2019

- Electronic Testing using Testek's Nextgen TS-1650 CATE systems, manual multifunctional test stands, thermal convection ovens -40°C to 70°C.
- Operation and connection of Hydrologic thermal coolant systems.
- ESS thermal testing of Liquid pump motors, and supplemental control units Utilizing Catalyzer/Pro 8.0.35 Vector Software. Inspection of multiple Controller units.
- Testing of Supplemental control units, Controller outline cargo units, Ram fan motor control units, Liquid pump motor control units and a wide range of aircraft avionics and control components.
- Removal and installation of circuit boards and testing of circuit boards.

Inspector

Contract work for RTI Aerospace Monday through Sat 56hrs per week Aug 2018- Nov 2018

- Final Inspection of close geometric tolerance of aircraft fuselage panels, wing skins, airframe, and aerospace engine components.
- Dimensional and visual inspection of manufactured parts and assemblies in accordance with engineered drawings.
- Quality control, Document control, First article Inspection.

Aircraft Structure Mechanic

Contract work for Sprit Aerospace Sunday through Saturday 70hrs per week April 2018 – Aug 2018 Aircraft structure assembly and repair of aircraft skins, wing box, and lower fuselage on Boeing 737, Boeing Poseidon P-8A, Air Bus A350 XWB, and Bell V-280.

- Installation of Aircraft hardware, rivets, Hi-locks, and Huck bolts.
- Assembly and installation of Stringers, Beams, span wise beams.
- Installation and Removal of aircraft skins, sealing, Inspection of aircraft parts and Components.
- Sub assembly and final assembly of aircraft parts and components.

Engineering Technician

DePuy Synthes Monday through Saturday 2nd shift, 48 hours per week June 2015-Dec 2017

- CNC Machine maintenance, repair and refurbishment of machines, mechanical and electrical repair, programming, and structure modification on machines for medical applications.
- CAD modeling and print drawings for tooling and multiple machine modifications using Pro E Creo Parametric software, receiving inspection, process inspection of manufactured components, and building maintenance.
- Process and machine validation using industry authority guidelines and processes.
- Contributing team member for multiple projects pertaining to non-conformity reduction, product validation, machine modifications, safety modifications, plant floor modification and data collection.

Senior Assembly Team Lead

Goodrich Aerospace systems Monday through Friday 40hrs per week Sept 1995 — Feb 2014

- Responsible for numerous team members in assembly production, supervised team members workload management, 5s production control, training, and coaching.
- Mechanical assembly, electrical assembly, and sheet metal fabrication of government and, Commercial airline seats. Assembly of spare parts, and sub-assemblies.
- Responsible for the aftermarket FAA repair station and refurbishment dep't, repairing returned aircraft seats, and components. Manufactured avionic electrical harnesses, call box's, limit switches, and Power cables for aircraft applications.
- Research and development, product Testing on the FASSII project, Gulfstream Observer project improvement of current products and incorporating Engineering change orders on old and new products, wrote ECO'S on products, updated print drawings and Bill of Materials.

Education

Associate of Science Major Mechanical Engineering, Minor Computer programing Aug
2014

Pikes Peak Community College, Colorado Springs, Colorado

Aircraft Repair Honor Graduate Diploma

June 1985

U.S Army Aviation Logistics School, Ft. Eustis, Virginia