

# MANNY MANIFOLD

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## OBJECTIVE

To obtain a position as an aircraft mechanic at Marvin's Maintenance Shop.

## EDUCATION

Embry-Riddle Aeronautical University  
**Bachelor of Science in Aviation Maintenance Science**  
Area of Concentration: Flight  
Overall GPA: 3.5/4.0

Daytona Beach, FL  
May 2012

## CERTIFICATES

Airframe and Powerplant License  
FCC General Radiotelephone Permit  
FAA Private Pilot Certificate – Single Engine Land

Certificate #77777777  
Total Time 110 hrs

## RELEVANT EXPERIENCE

Embry-Riddle Aeronautical University  
**Aircraft Mechanic**

Daytona Beach, FL  
2008-2010

- Performed preventative maintenance activities including care and servicing of aircraft and systems for continued airworthiness
- Completed 100-hour and conformity inspections, non-destructive testing, including magnetic particle and dye penetrant
- Instructed and executed structural sheet metal and composite fabrication and repair  
Composite familiarity includes pre-impregnated carbon fiber/graphite, and wet lay-ups using fiber-glass and Kevlar. Instructed students in proper procedures and techniques
- Constructed flight simulator using donated Cessna fuselage, removed tail section, created rear bulkhead to facilitate installation of computer to flight control interface; all work completed IAW approved FAA techniques
- Created scratch-built wing section from 2024 aluminum including skin, ribs and leading edge
- Balanced and rigged primary flight controls
- Troubleshoot and evaluated electrical systems through the use of schematics for both AC and DC systems
- Operated and maintained turbocharged and supercharged engines, including installation, operations, and rigging of control systems
- Performed engine overhaul during power plant training coursework, within a FAR 145 repair station. Disassembled, cleaned, inspected, reassembled and test run Lycoming IO-360
- Troubleshoot systems to enable recognition of the symptoms of a problem, systematically searched for the problem source, and determined a solution to properly repair the problem
- Performed preventative maintenance and inspection of fixed pitch, adjustable pitch, and constant speed propellers
- Inspected, serviced and tested cabin pressurization systems, oxygen system, air cycle systems and vapor cycle air-conditioning systems. Ice and rain control system inspections and repairs, including de-icing boots fire detection and extinguishing systems.
- Disassembled, reassembled, and pressure tested hydraulic actuators, serviced oleo struts, performed gear swings, interpreted hydraulic flow schematics
- Utilized Airworthiness Directives and manufacturer documentation to perform overhauls, inspections, and repairs to various airframe and powerplant components; completed concise and accurate logbook entries

**WORK  
EXPERIENCE**

Comair Orlando, FL  
**Airframe and Powerplant Mechanic**  
June 2009-Present

- Conduct inspections an Embraer Bandeirante EMB-110 aircraft
- Perform overhaul of systems on Pratt & Whitney PT6A-34 powerplant

AirTran Airways Orlando, FL  
**Apprentice Mechanic**  
March 2008-April 2009

- Assisted with maintenance operations control
- Tracked reliability records
- Worked on ground service equipment

Embry-Riddle Aeronautical University Daytona Beach, FL  
**Student Ambassador**  
June 2007-April 2008

- Provided prospective students with information on the University's academic programs
- Hosted dignitaries and other special guests of the University on tours of the campus

**MILITARY  
EXPERIENCE**

United States Air Force January 1999-May 2004  
**Mechanic**

- Maintained tools and test equipment, ensured inspection currency
- Designed and implemented computerized database listing of all equipment
- Dual qualified on B-52G/H and KC-135A/R aircraft fuel system repair
- Advised subordinates on aircraft fuel systems removal, repair, and installation maintenance procedures and policies
- Diagnosed fuel system and component malfunctions
- Recommended corrective actions and resolved problems using technical publications and analytic techniques
- Performed maintenance on aircraft fuel tanks and cells. Removed access panels, and de-puddled, purged, repaired, and tested fuel tanks and cells
- Performed tank entry and maintenance in confined spaces
- Removed, repaired, and replaced malfunctioning components. Prepared aircraft surfaces and applied sealants, adhesives, and associated chemicals
- Supervised, inspected, and evaluated aircraft fuel systems maintenance activities
- Cleaned fuel cells and tanks, and inspected for foreign objects, corrosion, cell deterioration, and fungus. Stored, handled, used, and disposed of hazardous material and waste. Initiated deficiency reports, maintenance analysis documents, technical data changes, and equipment records
- Recorded information on data collection forms and automated systems
- Completed airframe repairs to sheet metal structures to facilitate other maintenance activities to include fabrication, battle damage repair, and continued airworthiness
- Constructed test equipment as required

**SKILLS**

*Computer:* Microsoft Word, Excel, Access, PowerPoint, Publisher, C++

*Languages:* Fluent in Spanish