

ADAM H. ROBERTS
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AVIONICS FLIGHT CONTROL SYSTEMS • INSTRUMENTATION • ELECTRONICS

- **Four years' experience in electronics, specializing in avionic instrument and flight control systems and equipment evaluation, troubleshooting, repair, maintenance and training.**
 - **Knowledgeable of electronic, gyro, synchronal and mechanical principles, theory and application, the factors involved in radio and radar transmission and reception and digital computer logic.**
 - **Skillful using and interpreting testing and measuring devices, applying electronic principles and the application of maintenance practices.**
 - **Achieved 98% sign-off for upgrade to Avionics Systems Level 7.**
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PROFESSIONAL EXPERIENCE

F-15 Avionic Instrument and Flight Control Systems Journeyman, US AIR FORCE, Elgin AFB, FL **01/2003 – Present**
Inspect, troubleshoot and test F-15 integrated avionics systems to isolate and repair malfunctions.

- Operate integrated avionics systems to determine operational condition and interpret equipment operation to isolate attack control, instrument, flight control, communications, navigation and penetration aids systems problems.
- Interpret inspection findings, determine corrective action adequacy, recommend methods to improve equipment performance and maintenance procedures and maintain inspection and maintenance records.
- Adjust and replace defective and improperly functioning circuitry and electronic components.
- Assisted with pre-tests of 21 aircraft in support of the Electronic Warfare Assessment Program repairing 130 pilot reported deficiencies and enabling 249 training flights for a mission capability rate of 89%.
- Recognized on several occasions for superb troubleshooting of aircraft avionics and weapons systems and for performing swift and accurate repairs of discrepant systems placing aircraft back into service in record time.

F-15 Avionic Instrument and Flight Control Systems Apprentice, US AIR FORCE, Elgin AFB, FL **05/2001 – 01/2003**
Participated in hands-on training to perform inspection, troubleshooting and repair of F-15 integrated avionics systems.

- Assisted in the performance of operational checks of avionics equipment and systems, monitor system performance and received instruction and guidance while performing appropriate modifications.
 - Participated in the removal, installation and alignment of integrated avionics system components to perform scheduled maintenance or detect and correct malfunctions.
 - Personally selected for deployment to Nellis Air Force Base NV in support of Fighter Weapons Instructor Course, responded to and resolved several aircraft problems ensuring successful training exercises.
 - Assisted with Aircraft Structural Integrity Program study monitoring system integrity, inventory and program status for six aircraft achievement of aircraft structural integrity requirements.
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EDUCATION AND TRAINING

Bachelor of Science in Aerospace Management, University of Maryland

Electronic Principals Course, F-15 Avionic Instrument and Flight Control Systems Apprentice Course and Integrated Avionic System Maintenance Course

AWARDS

National Defense Service Medal, Air Force Training Ribbon, Specialist of the Quarter Award and (2) Sharp Troop of the Month Awards