

Dean Roberts

Instructional Designer, Maintenance Specialist, and Content Developer

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(906) 361-4485



- 17 years of electro-mechanical maintenance experience as a weapons systems technician, aircraft mechanic, and industrial maintenance technician.
- 15 years of total Aircraft Maintenance experience. 9 years of total training experience.
- Field Service Experience in the Robotics, UAS, and Heavy Equipment/Industrial industries.
- Highly flexible and dependable, with the ability to work and make decisions under pressure.
- Knowledge of scheduled and unscheduled maintenance tasks, with a focus on following technical guidance and established procedures.
- Active DOD Secret Clearance (Renewed until 2028)
- Augmented and Virtual Reality Development Experience (Adobe Aero, Vuforia, Unreal Engine, Blender)
- Technical Support Experience in the Heavy Equipment Industry
- Varied Instructional Background
- Master of Education degree in instructional design.
- Bachelors degree in Learning Design and Technology with a focus on adult education and training and development
- Associates degree in aviation maintenance with a focus on aircraft weapons systems
- FAA A&P level qualifications, awaiting testing date.

Authorized to work in the US for any employer and the ability to work OCONUS.

Work Experience

Training and Technical Support Specialist

CNH Industrial (Case/New Holland Construction) - Racine, WI
2022-Present

Reporting to the training manager, worked with a dedicated product support team to develop, conduct, and analyze training for a global team of technicians and dealer network associates. Provide advanced diagnostic support to customers on electrical, hydraulic, and diesel engine systems. Perform a multitude of various other roles involving electric vehicle systems, augmented and virtual reality training, and advanced technical subject matter expertise.

Field Service Representative II

Pratt & Miller Engineering - New Hudson, MI
2022-2022

Reporting to the Lead FSR while directly supporting the Product Engineering Team, worked with a highly energetic team focused on fast-paced product development and unsurpassed quality. Typical defense products included items such as vehicle upfit kits, mobility enhancement components, weapon system components and integration kits, radar/surveillance systems, security systems, defense platforms, Counter-UAV solutions, autonomous target systems, robotic platforms, and advanced military vehicles. Disparate effective collaboration and communications with customers, suppliers, engineering, purchasing, quality, manufacturing, and sales. Left due to program and role not materializing into what was advertised by the company.

Aircraft Maintenance Support Engineer Senior

Lockheed Martin - Clovis NM
2020-2022

Performed scheduled and unscheduled electro-mechanical maintenance on the MQ-1 and MQ-9 aircraft. Followed applicable guidance to perform all maintenance tasks including test, inspection, repairs, and troubleshooting in a stateside and overseas deployed environment. Managed weapons systems training of over 100 individuals, scope included explosives safety and handling, proper maintenance procedures, and aircraft familiarization. Responsible for supervisory duties of work center with at a minimum of 5 individuals reporting to me

UAS Maintenance Instructor 3

Insitu
2018-2020

Reviews training syllabuses, class rosters, student training records and courseware requirements. Determines daily instructional needs/objectives and adjusts content and delivery as necessary. Identifies and schedules training resources to include facilities, hardware and materials. Establishes hardware conditions. Verifies that all resources and daily training content is compliant with contractual/regulatory requirements and maintenance standards. Conducts classroom instruction and demonstrates maintenance procedures and practices. Monitors hands on students application in both formal and field environments. Obtains real-time student feedback and adjust delivery to meet training objectives. Assigns student work, administers informal student assessments, performs remedial instruction and completes daily student records and other required documentation.

Aircraft Maintenance Support Engineer Senior

Lockheed Martin
2016-2018

Performed scheduled and unscheduled electro-mechanical maintenance on the MQ-1 and MQ-9 aircraft. Followed applicable guidance to perform all maintenance tasks including test, inspection, repairs, and troubleshooting in a stateside and overseas deployed environment. Managed weapons systems training of over 100 individuals, scope included explosives safety and handling, proper maintenance procedures, and aircraft familiarization. Responsible for supervisory duties of work center with at a minimum of 5 individuals reporting to me.

Aircraft Maintenance Support Engineer

Lockheed Martin

2013-2015

Performed scheduled and unscheduled electro-mechanical maintenance on the MQ-1 and MQ-9 aircraft. Followed applicable guidance to perform all maintenance tasks including test, inspection, repairs, and troubleshooting in a stateside and overseas deployed environment. Left to take a break from deploying overseas.

Staff Sergeant

United States Air Force

2007-2013

Completed 6 years of honorable Service in the maintenance field of Aircraft Armament Systems. Performed scheduled and unscheduled organizational level maintenance on the F-15, MQ-1, C-130 and MQ-9 airframes. Performed troubleshooting and wire repair procedures according to proper guidance. Performed supervisory and training roles as a field level instructor tasked with training in explosives safety and aircraft weapons systems. Left after the fulfillment of military career goals.

Education

Master of Education in Instructional Design 4.0

Bowling Green State University-Main Campus - Bowling Green, OH

January 2020 to March 2022

Bachelor of Science in Technology (Advanced Education Technology) 3.2

Bowling Green state University

2014

Associate of Applied Science in Aircraft Armament Systems Technology in Aviation Maintenance 4.0

Community College of the Air Force

2009

Skills

- Teaching
- Problem solving
- Military Experience
- Low Voltage
- High Voltage
- Aircraft Maintenance
- High Voltage
- Hydraulics
- Industrial Maintenance
- Instructional Design
- Adult Education
- Electrical Maintenance
- Mechanical Maintenance
- Curriculum Development
- Mechanical Knowledge
- Learning Technology
- Field Service
- Troubleshooting
- Adobe Captivate, Aero, Dimension, Illustrator, etc.
- Articulate Rise and Storyline
- Unreal Engine
- Blender
- LMS (Moodle, Blackboard, etc.)
- Customer Service

Military Service

Branch: United States Air Force Rank: Staff
Sergeant (E-5) Honorable Discharge 2013

Operations & Logistics:

Managed work place safety program, ensuring full compliance with OSHA's VPP (Volunteer Protection Program). Zero mishaps and accidents were recorded during tenure as safety supervisor. Managed workplace vehicle and equipment assets. Maintained 100 percent equipment capability and accountability, while ensuring all prescribed maintenance tasks were completed in a timely manner. Aided logistics and supply personnel in outfitting work center tool boxes to facilitate more efficient maintenance. As Maintenance Support Engineer Senior for Lockheed Martin, maintained supervisory capacity of 8 man shift. Ensured effective management of time and resources to maintain contractual obligations for Air Force mission success. Designed and conducted training events within the department. Excellent working relationship with Air Force counterparts, and left on excellent terms regarding performance of my duties. With over 10 years of international deployment experience, including 7 trips to the Middle East and Africa AOR, I have built an extensive operational knowledge-base.

Troubleshooting & Fault Isolation:

15 years total experience as an aircraft electrical and mechanical maintenance specialist. Isolated numerous faults by utilizing schematics, test equipment, and on equipment knowledge to ensure above average production rates. Multi system knowledge base, with a firm grasp on electrical circuit functions and mechanical power producing systems allowing for reduced maintenance man hours. While working abroad as the only weapons systems expert multiple times, I was relied upon heavily to provide critical SME support on numerous occasions. As a Senior Maintenance Technician and Instructor for a Lockheed Martin run MQ-9 UAS operation, I was actively involved in the management of maintenance activities of varying complexity and scope. Many times my duties required the reworking of procedures and policies to reflect current data on safety, incident prevention, and component degradation intervals.

Training & Development:

Served three years as an Air Force instructor, responsible for the effective training of over 364 personnel in safe maintenance procedures on a variety of aircraft. Transitioned to training as part of core duties with Lockheed Martin, a role I fulfilled for 4 years. Responsible for training and development of both military and civilian personnel in performance of daily duties. Current duties as a Case Construction maintenance instructor involve teaching organizational level maintenance to multi-national customers both in a traditional schoolhouse setting, as well as austere field environments. Trained Afghan National Army students in UAS maintenance and operations prior to the Taliban take-over. Completed University coursework in adult training and teaching as part of Bachelor's degree in Advanced Technological Education, and Master's degree in Learning Design and Technology. Currently holding FAA signed and certified 8610-2 form indicating required experience and training for Air Frame and Powerplant Certification. Will take the tests when the schedule permits.