

WORK EXPERIENCE

SENIOR VEHICLE ENGINEER	05/2017 - PRESENT
Chicago, IL	
<ul style="list-style-type: none">Containment – Quickly identify and implement effective and robust containmentsFeedback – Feedback concerns at cross functional meetings reporting out to all levels including directorsDPV / RFT reduction – (Defects per vehicle / Right First Time) Provide engineering support to the production lines for containment and problem resolution of build issues caused by design, engineering, production or supplier quality issuesSupplier support & investigations – Support investigations and requests for support by suppliers, both on and off siteTravel – Be willing to travel if required for investigation including investigation of robust process and control at Suppliers, both within the UK and abroadIndividual objectives – Manage their own objectives to ensure all KPIs and annual plan targets are metMonths of experience in the job offered or 6 months of experience applying functional safety principals to artificial intelligence systems and machine learning	

VEHICLE ENGINEER	10/2010 - 12/2016
Houston, TX	
<ul style="list-style-type: none">Months of experience modeling and simulating autonomous vehicle features using Simulink, Matlab and LabviewMonths of experience performing systems engineering for new technology developmentMonths of experience developing controls for automated or autonomous vehiclesMonths of experience developing Lidar, Radar, or Ultrasonic sensors and sensing systemsMonths of experience applying Functional Safety including ISO 26262 and STPA to analyze complex control structures in automotive autonomous vehiclesMonths of experience researching and applying Model Based System Engineering (MBSE) to model, analyze and develop a system and modeling Virtual Driver System in Complex-Autonomous vehicles using SysMLMonths of experience applying multi-factor authentication and cyber security specification in autonomous-automotive applicationsGlobal Vehicle Authority - Provide functional assurance on Mobile Equipment integrity. Steward for the VEHC 10 standard and any proposed changes. This also includes the authority to approve acceptable aviation vehicle manufacturers (compliance of design to the VEHC 10 standard sits primarily with the Performance Unit Vehicle TA)Lead the vehicle global replacement programme globally, work with the Global Procurement Manager and support PU Vehicle TAs in the change out and purchase/procurement of mobile facilities and equipment	

FALCON STAGE VEHICLE ENGINEER	09/2007 - 08/2010
New York, NY	
<ul style="list-style-type: none">Be responsible for the upkeep and stewardship of Air BP documentation including creation and development of GEN, MECH, ITM and VEHC applicable vehicle standardsSupport Global Operations Specialist in EN Committee and international updates and ensure Safety Critical Equipment meets STP requirementsSupport Global Operations Specialist on vehicle maintenance task packs, maintenance and training (where competent)Ensure Air BP and NOJV of vehicle related incidents are investigated, communicated and lessons learnedLead the Global Vehicle Working Group – lead the strategic agenda and OMS work plan delivery aligned to MAR and business needsParticipate in, contribute to, and/or lead related, PHSSERs, HAZOPs, RCAs and MOCsBS Electrical, Chemical, or Mechanical EngineeringIn with electric propulsion systems, energy storage / battery systems, or similar technology	

EDUCATION

WASHINGTON ADVENTIST UNIVERSITY	2002 - 2006
Engineer's Degree in Engineering	

PROFESSIONAL SKILLS

- Excellent communications skills, detail oriented and ability to work independently are essential
- Strong organisational, interpersonal and communication skills
- Demonstrate experience in evaluating designs for compliance to technical and industry standards
- Proven commissioning and maintenance experience applicable to aviation vehicles
- Proven experience of delivering vehicle systems from a concept level
- Demonstrated experience working teams of engineers delivering service within deadline and budget
- Strong team worker – skill to work with extensive teams