

**Professional Experience Summary** Test Engineer of the side impact testing, static airbag development, and chemical gas analysis (FTIR) testing labs. Supervisor for toolmakers and test technicians setting up and performing testing of vehicle safety systems using anthropomorphic test devices (crash dummies). Senior Engineering Technician of new product development and testing of heavy vehicle braking systems. Licensed commercial pilot and airframe and powerplant aircraft mechanic.

**Experience** **Delphi Electronics and Safety** (Bartech) Vandalia, Ohio  
Test Engineer 1999-Present

- Increased the number of tests and reduced costs for a cost saving of \$50,000 per year
- Represented Delphi on international team developing advanced airbags and Bio-Mechanical technologies
- Managed customer testing, including coordination, scheduling, and reviewing test data
- Reviewed federal and international test procedures, requirements, and specifications to current standards
- Met with customers, presented data, and resolved testing issues
- Managed new equipment purchases including testing equipment, security systems, and chemical gases.
- Supervised and coordinated test technicians and toolmakers
- Administered to labor issues, vacations, overtime, job assignments, and priority of work
- Trained technicians in static and dynamic testing to including lab introduction, FTIR gas analysis, airbag deployment, data acquisition, and high speed digital video
- Supervised and performed static deployments and dynamic side impact crash simulations
- Coordinated maintenance activities to test equipment, crash sleds, temp chambers, chemical gas analysis, housekeeping, lab maintenance
- Reviewed, checked completed test packets for accuracy, documentation, completeness, test procedures, and specifications
- Setup and analyzed high-speed 16mm film, digital video, and data acquisition systems
- Conducted daily team meetings with technicians and model shop personnel
- Technical troubleshoot video, data acquisition, PLC, testing, and scheduling issues
- Designed and implemented operating procedures, test and data processing plans, specifications, forms, and test fixtures

**Meritor HVBS** Dayton, Ohio  
Engineering Associate 1997-1999

- Performed development tests in lab and on prototype vehicle braking systems
- Conducted tests on dynamometers, vertical wheel, and rotostroker testing equipment
- Consulted on new product assembly line process and setup
- Designed and fabricated fixtures and test equipment with AutoCAD and I-deas CAD systems
- Trained all employees for hand all assembly builds

**U.S. ARMY** San Antonio, Texas  
Administration / Power Distribution Supervisor 1993-1997

- Power officer in charge of field hospital's electrical system, operation, maintenance, training, and power requirements
- Supervised employees conducting finance, personnel, and legal actions
- Automation officer in charge of computer security, hardware, and software
- Training Instructor

**Training**

- SAE Vehicle & Occupant Responses in a Rollover, 1 Days from SAE
- Kayser Threde data acquisition, 3 day in-house from Kayser Threde
- SAE Injuries, Anatomy, Biomechanics and Federal Regulations, 3 Days from SAE
- FTIR Gas Analysis Training with Gas Cell Rebuild, in house from Thermo Nicolet, 3 days
- SAI/ Kodak high speed digital video and software training, in house 1 day

**Education**

- Bachelor of Science, Business Administration, University of Urbana, Urbana, Ohio
- Associate of Aviation, Flight and Business Administration, Davis College, Toledo, Ohio
- Associate of Science, Aircraft Maintenance, Spartan School of Aeronautics, Tulsa, Oklahoma