

## **Stephen Vincent Hill**

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### **OBJECTIVE**

A position in the Mechanical / Electrical Engineering field that allows me to utilize and grow my technical skills and experience in project management.

### **EDUCATION**

#### **Bachelors of Science - Mechanical Engineering**

*Southern Polytechnic State University Marietta, GA*

*April 1991*

### **EMPLOYMENT HISTORY**

#### **Delta Air Lines - Senior / Principal Engineer**

*B737/MD88/MD90 Fleet Programs*

*Sept, 2003 to Present*

- Led design of repairs and reliability enhancements for electrical power , fire protection , and lighting systems.
- Investigated ground power supply problems responsible for capital equipment damage to aircraft, and initiated design changes to mitigate damage.
- Investigated incidents involving generator and relay failures in flight, and provided forensic engineering failure analysis.
- Provided design expertise and certification support for modification of MD88, MD90, and B757 aircraft to support Delta fleet interior renewal.

#### **Delta Air Lines - Senior Engineer**

*Project Engineer*

*Sept, 1999 to 2003*

- Provided Project Management and Certification expertise to the cockpit door bar and Enhanced Cockpit Security Door modification teams.
- Managed design, installation and certification of cargo compartment fire protection systems on 300+ aircraft.
- Acted as engineering liaison between outside contract engineering firm and DAL maintenance staff for major passenger cabin reconfiguration.
- Developed on-aircraft solutions for handicap lavatory requirements for aircraft to Department of Transportation requirements.

#### **Delta Air Lines - Engineer**

*MD88/90 Fleet Team*

*Sept, 1996 to Sept, 1999*

- Coordinated all structural and systems engineering activity for the MD-88/90 fleet.
- Represented Engineering at the MD-88/90 Operation Readiness Team meetings.
- Provided specification support for new MD90 aircraft.
- Provided post-delivery acceptance support engineering for MD90 aircraft, including support for modification to Delta fleet standards.

### **Delta Air Lines - Engineer**

*Interior Systems Engineering*

*May, 1994 to Sept, 1996*

- Responsible for all engineering activity for cargo and oxygen systems.
- Completed installation design for narrow-body loading systems on 757 and MD88 aircraft.

### **Advanced Composite Technology - QA Manager / Engineer**

*Sole Engineer on Staff*

*Sept, 1988 to May, 1994*

- Designated as company Quality Control Manager.
- Coordinated discussions between the company and the Federal Aviation Administration, serving as the FAA's company Designated Engineering Representative and Designated Manufacturing Inspection Representative.
- Developed work orders, specifications, detailed drawings, and maintained the company quality control manual to FAA requirements.
- Developed several FAA approved test plans for gathering FAA approved design data on honeycomb sandwich panels.
- Managed several FAA parts design / certification projects.

### **HONORS and ACTIVITIES**

- Former FAA Designated Engineering Representative
- Former FAA Designated Manufacturing Inspection Representative
- Elite-level competitive cyclist - Two-time National Champion (1988, 2005)
- East Point Velodrome Association
  - Director of Communications
  - Lead fundraising efforts to build the East Point Velodrome
  - Teach a weekly class for adults and underprivileged youth
- Hobbies include fine woodworking, home improvement including installing electrical and network systems, and automobile / motorcycle maintenance

*"Wheresoever I go, I go with all my heart" - Confucious*