

James Harry Hartman, III, PhD Aviation, Military Pilot Flight Simulation, Data Analytics, Risk Analysis, and Higher Education Expert

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OBJECTIVE

A seasoned academic and aviation industry professional, with a unique blend of teaching experience, industry knowledge, and a strong background in human factors engineering and quality control analysis. Seeking to leverage extensive academic credentials and a proven history of leadership, research, strategic planning, and partnerships in the position.

EDUCATION

- Ph.D. Psychology (2024) Liberty University
- Ph.D. Aviation (2020) Embry Riddle Aeronautical University
- M.S. Technology/Aviation Human Factors (2001) Arizona State University
- B.S. Aviation Management/Professional Flight Training (2007) Arizona State University
- B.A. Germanic and Slavic Languages (1999) Brigham Young University

PROFESSIONAL HIGHER EDUCATION EXPERIENCE

California Aeronautical University, Bakersfield, CA (2024-Present) Aviation Instructor, School of Aviation

- Developed and taught undergraduate and graduate-level courses.
- Leveraged industry insights to blend theoretical instruction with case-based learning, preparing students for the complexities of aviation industry roles.

Embry Riddle Aeronautical University, Daytona Beach, FL (2023-Present) Faculty Associate, School of Aviation

- Developed and taught graduate-level courses in Aviation Safety Data Management and Analysis.
- Leveraged industry insights to blend theoretical instruction with case-based learning, preparing students for the complexities of aviation industry roles.

Arizona State University, Mesa, AZ (2007-Present) Faculty Associate, Fulton School of Engineering, Aviation Program

- Developed comprehensive coursework in Safety Management Systems, Aviation Meteorology, and Aviation Safety and Human Factors facilitating cross-disciplinary learning experiences for both graduate and undergraduate cohorts.
- Provided statistical analysis consultation for masters research, enhancing the quality of graduate student publications.
- Leveraged industry insights to blend theoretical instruction with case-based learning, preparing students for the complexities of aviation industry roles.

INDUSTRY EXPERIENCE

Federal Aviation Administration, Phoenix, AZ (2014-Present) Management and Program Analyst, Quality Control Specialist, TCAB-1-P50

- Spearheaded district-level project management initiatives and contributed to significant

improvements in air traffic safety standards through meticulous quality control analysis.

- Advanced the quality assurance framework, delivering empirical insights that shaped safety protocols at one of the nation's busiest air traffic control facilities.
- Spearheaded interdisciplinary research teams, translating performance data into actionable intelligence to bolster air safety nationally.
- Established effective safety communication and training collaboration with external partners, such as the Phoenix Airport Fire Department and Arizona State University.

Federal Aviation Administration, Washington, DC (2008-2014) Management and Program Analyst, National Ceiling and Visibility Program Manager, ANG-C6

- Oversaw the National Ceiling and Visibility program, boosting the reliability of weather products for the National Airspace System.
- Pivotal in the launch and optimization of the Helicopter Emergency Medical Services (HEMS) Tool, fostering enhanced decision-making safety protocols for HEMS pilots.

Lockheed Martin Technology Services, Mesa, AZ (2000-2004) Human Factors Engineer

- Led ground-breaking research projects in close partnership with military aviation units, enhancing training efficacy and pilot performance through innovative human factors engineering.
- Crafted influential technical presentations and strategic development initiatives that significantly advanced simulation training methodologies for military aviation.

United States Department of Homeland Security, Transportation Security Administration, Phoenix, AZ (2004-2008) Lead Transportation Security Officer

- Managed and executed critical security operations, ensuring robust screening mechanisms at Phoenix Sky Harbor International Airport.
- Demonstrated exceptional leadership skills in coaching and developing security screening staff and addressing complex operational challenges.

City of Phoenix Aviation Department, Phoenix, AZ (2007-2008) Intern, Airside and Landside Operations Engineering Research

- Pioneered safety protocols and operational checklists that significantly increased airside and landside safety during periods of intensive construction and daily operations.

Qualifications & Achievements:

- Strong history of leadership and personnel management in various capacities, including professor, supervisory, project management, and administrative roles.
- Extensive industry experience in aviation both in the federal service and private sector, contributing to elevated safety standards and operational excellence.

- Proven mentorship and support of students transitioning from academia to industry.
- Demonstrated commitment to diversity, equity, and inclusion, promoting these values within the aviation community.
- Successful development and participation in fundraising and alumni engagement initiatives.

Professional Affiliations:

- Friends and Partners in Aviation Weather (FPAW), since 2008
- Aircraft Owners and Pilots Association (AOPA), since 2001
- FAA Pilot Wings Proficiency Program, since 2001
- Embry Riddle Aeronautical University Alumni Association, since 2020
- Arizona State University Fulton School of Engineering Aviation Programs Alumni Association, since 2001
- Brigham Young University Alumni Association, since 1999

Special Awards:

- Outstanding Service Award, FAA Aviation Weather Office, for project management of the National Ceiling and Visibility Program, 2008-2014
- Appreciation Award, Arizona State University, for excellence in student mentoring, 2007-present
- Multiple cash and time off awards, Federal Aviation Administration, Aviation Weather Office, Washington D.C. (ANG-C6) and Airport Traffic Control Tower/Terminal Radar Approach Control Phoenix, Arizona (TCAB-1) facilities, for project management and quality control work

Certifications:

- Federal Aviation Administration, Certified Pilot (fixed-wing & rotorcraft flight training)
- Federal Aviation Administration, Contracting Officer's Technical Representative (COTR)
- Federal Aviation Administration, Project Management Professional (PMP) federal government training
- Lockheed Martin Technology Services, Night Vision Goggle Instructor Course
- Ira. A Fulton School of Engineering (Aviation Programs), High Altitude Chamber Certification

Publications & Presentations:

- Authored and co-authored a number of technical and research papers; presented findings at international conferences and seminars.

Continuing Education:

- Engaged in continuous professional development in areas including Agile Project Management, Risk Management, and Advanced Data Analysis for Six Sigma.

In conclusion, my fusion of academic excellence, industry acumen, quality control and risk analysis, and administrative experience underscores my readiness to take on the position.

Sincerely,

A handwritten signature in black ink that reads "James H. Hartman, III". The signature is written in a cursive style with a distinct, stylized 'H' and 'I'.

James Harry Hartman, III, PhD