

HUGH M. FACTORS

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OBJECTIVE

Seeking a professional position as a Human Factors Specialist

EDUCATION

Embry-Riddle Aeronautical University (ERAU)	Daytona Beach, FL
Master of Science in Human Factors and Systems , GPA: 3.97/4.0	May 2012
Bachelor of Science in Human Factors Psychology , GPA: 3.82/4.0	Dec 2010

Relevant Coursework:

Research Analysis & Survey Design	Age-Related Issues in Product Design	Industrial Psychology
Human Factors Research Design	Bioengineering and Ergonomics	Sensation & Perception
Cognitive Psychology	Human Factors & System Safety	Systems Engineering
Human-Computer Interaction	Crew Resource Management	Statistical Analysis
System Performance Modeling	Crew Station System Design	Automation & Systems Issues
Human Factors & Systems Safety	Automation & Systems Issues	

PROJECT EXPERIENCE

- Created a System Description Document (SDD) using CORE for the Segway HT.
- Worked as a member of a 5-person team to evaluate an aircraft manufacturing plant from a usability standpoint.
- Interfaced with Four Winds Co. administrators to determine user needs. Provided an ergonomic evaluation, examined AutoCAD drafts to determine optimal worksite flow, and recommended changes based upon testing and evaluation. Prepared an overall analysis for presentation.
- Served as Layout Design Specialist as a member of a 5-person team. Redesigned Ball Product International's factory layout from a functional standpoint. Interfaced with Plant Manager and floor supervisors to determine operator needs. Created a function/task and needs analysis and proposed a new design for the facility.

WORK EXPERIENCE

Embry-Riddle Aeronautical University	Daytona Beach, FL
Graduate Teaching Assistant, Human Factors Department	Aug 2010 - Present

- Teach Introduction to Human Factors and Human-Computer Interaction undergraduate-level courses
- Participate in research projects, including studies on pilot fatigue and human error
- Prepare class materials for professors and graded tests and homework

Sikorsky Aircraft Company	Stratford, CT
Human Factors Intern – Crew Station Design	April 2009 - Aug 2009

- Assisted in the development of onboard mission planning system for the U.S. Army's RAH-66 Comanche Rotorcraft
- Supported design through simulation, verification and validation
- Identified needs and developed an orientation/training manual for new employees

SKILLS

Computer: Microsoft Word, Excel, PowerPoint; C/C++, SPSS, Bentley Microstation; CORE, Visual Basic, CATIA v.5: Human builder, Telelogic Dynamic Object Oriented Requirements (DOORS)

Languages: Spanish, French (basic)

Certificates: FAA Private Pilot Certificate (120 total hours)