MA

MICHAEL ANDERSON
HUMAN FACTORS ENGINEER

CONTACT

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SKILLS

- Ergonomics
- User Research
- Simulation Testing
- Data Analysis
- Cross-disciplinary Collaboration
- Prototype Development

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN HUMAN FACTORS ENGINEERING, EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

ACHIEVEMENTS

- Designed a cockpit interface that reduced pilot workload by 15% in high-stress scenarios.
- Received a company award for outstanding contributions to user-centered design.
- Contributed to a research paper on human factors in aviation published at a major conference.

PROFILE

Dedicated Human Factors Engineer with 5 years of experience in the aerospace industry, specializing in ergonomics and human-machine interaction. Expertise in designing cockpit interfaces that enhance pilot performance and safety. Proficient in conducting user research, simulation testing, and data analysis to drive design improvements. Strong background in collaborating with engineers and designers to create effective solutions that meet the needs of users.

EXPERIENCE

HUMAN FACTORS ENGINEER

AeroDynamics Corp.

2016 - Present

- Conducted ergonomic assessments of cockpit designs to improve pilot comfort.
- Designed and executed simulation testing for new cockpit interfaces.
- Collaborated with software engineers to refine user interfaces based on pilot feedback.
- Analyzed data from user studies to guide design iterations.
- Presented findings to senior management to influence design direction.
- Developed training materials for pilots on new system functionalities.

ASSISTANT HUMAN FACTORS ENGINEER

SkyTech Systems

2014 - 2016

- Assisted in the design and evaluation of pilot interfaces for new aircraft.
- Conducted field studies to gather user feedback on cockpit usability.
- Developed user manuals and training programs for new systems.
- Participated in design reviews to ensure human factors principles were applied.
- Helped to create prototypes for pilot evaluations and feedback.
- Coordinated with the engineering team to address user concerns in designs.