MA

MICHAEL ANDERSON
HUMAN FACTORS RESEARCH ENGINEER

CONTACT

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SKILLS

- User Experience Design
- Safety Interface Design
- Usability Testing
- Data Analysis
- User Research
- Mechanical Engineering

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, MICHIGAN STATE UNIVERSITY, 2015

ACHIEVEMENTS

- Improved driver interaction with dashboard interfaces, leading to a 30% reduction in driver errors during testing.
- Contributed to a project that received a 'Best Safety Innovation' award at the Annual Automotive Summit.
- Published research on driver distraction in a peer-reviewed journal, enhancing industry knowledge.

PROFILE

Results-oriented Human Factors Researcher with 5 years of experience in the automotive industry focusing on user experience and safety interfaces. My background in mechanical engineering complements my expertise in human factors, allowing me to design systems that prioritize user interaction and safety. Through extensive research and testing, I have contributed to the development of intuitive dashboard interfaces and driver assistance systems that enhance user safety and satisfaction.

EXPERIENCE

HUMAN FACTORS RESEARCH ENGINEER

Auto Innovate Corp

2016 - Present

- Designed and conducted user studies to evaluate driver interaction with advanced dashboard interfaces.
- Analyzed data from user trials to identify key areas for improvement in vehicle safety features.
- Collaborated with engineering teams to implement design changes based on user feedback, resulting in a 20% increase in user satisfaction.
- Developed training materials for internal teams on human factors principles and user-centered design.
- Utilized statistical analysis software to assess the effectiveness of design modifications.
- Presented research findings to executive leadership, influencing strategic decisions on product development.

USER EXPERIENCE RESEARCHER

DriveSafe Technologies

2014 - 2016

- Conducted extensive user research to understand driver needs and preferences for safety technology.
- Facilitated focus groups to gather qualitative insights that informed product design decisions.
- Created user personas and scenarios to aid in the design process of driver assistance systems.
- Collaborated with product teams to develop testing protocols for new safety features.
- Utilized eye-tracking technology to study driver attention and distraction levels.
- Generated comprehensive reports to communicate research findings to stakeholders and inform design iterations.