



MICHAEL ANDERSON

Senior Human Factors Engineer

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SUMMARY

Dedicated Human Factors Scientist with over 10 years of experience in usability research and design within the healthcare industry. Expertise in conducting user-centered design processes and applying ergonomic principles to improve patient safety and outcomes. Proven track record of collaborating with cross-functional teams to develop innovative solutions that enhance user experience.

WORK EXPERIENCE

Senior Human Factors Engineer HealthTech Innovations

Jan 2023 - Present

- Led usability testing for new medical devices, improving user satisfaction scores by 25%.
- Conducted ethnographic studies to identify user needs and pain points in clinical settings.
- Collaborated with design teams to integrate feedback into product iterations.
- Developed training materials for healthcare professionals on optimal device usage.
- Facilitated workshops to educate stakeholders on human factors principles.
- Authored research papers published in leading healthcare journals.

Human Factors Researcher Patient Safety Corp

Jan 2020 - Dec 2022

- Performed user research to enhance the usability of electronic health records, resulting in a 30% reduction in data entry errors.
 - Utilized eye-tracking technology to analyze user interactions with software interfaces.
 - Conducted focus groups to gather qualitative data on user experiences.
 - Designed and executed surveys that informed software redesign efforts.
 - Presented findings to stakeholders, influencing policy changes at the organizational level.
 - Mentored junior researchers on best practices in human factors research.
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EDUCATION

Ph.D. in Human Factors Engineering, University of Michigan

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- **Technical Skills:** Usability Testing, User Research, Ergonomics, Data Analysis, Human-Computer Interaction, Team Collaboration
- **Awards/Activities:** Received the 'Innovator Award' for contributions to user-centered design in healthcare.
- **Awards/Activities:** Improved patient safety metrics by implementing design changes based on user feedback.
- **Awards/Activities:** Published over 10 peer-reviewed articles on human factors in healthcare.
- **Languages:** English, Spanish, French