

MICHAEL ANDERSON

AI Medical Device Engineer

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Dedicated Medical Device Engineer with a focus on the integration of artificial intelligence in healthcare solutions. Possesses a unique blend of engineering expertise and a passion for harnessing technology to improve patient care outcomes. Proven track record in the design and development of AI-driven medical devices, with a strong emphasis on user experience and functionality.

WORK EXPERIENCE

AI Medical Device Engineer | Smart Health Technologies

Jan 2022 – Present

- Engineered AI-driven diagnostic tools that improved early detection rates by 30%.
- Collaborated with data scientists to integrate machine learning algorithms into device software.
- Conducted user studies to refine product features based on real-world clinical feedback.
- Managed cross-disciplinary teams to align product development with healthcare objectives.
- Presented innovative solutions to stakeholders, securing investment for future projects.
- Authored technical specifications and user interfaces for AI applications in medical devices.

Product Engineer | HealthAI Solutions

Jul 2019 – Dec 2021

- Assisted in the development of AI-enhanced health monitoring devices, improving patient engagement.
- Participated in design brainstorming sessions to develop innovative product features.
- Conducted performance testing to validate the effectiveness of AI algorithms.
- Collaborated with regulatory teams to ensure compliance with healthcare standards.
- Maintained detailed documentation throughout the product development lifecycle.
- Engaged with healthcare professionals to gather insights for product improvements.

SKILLS

artificial intelligence

product design

machine learning

user experience

regulatory compliance

cross-functional collaboration

EDUCATION

Bachelor of Science in Electrical Engineering

San Diego

University of California

ACHIEVEMENTS

- Developed an AI tool that reduced diagnostic errors by 25%, significantly enhancing patient safety.
- Recognized with the 'Innovative Technology Award' for contributions to AI in healthcare.
- Published research on AI applications in medical devices in leading technology journals.

LANGUAGES

English

Spanish

French