MA

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🌐 www.michaelanderson.com

SKILLS

- VHDL
- SystemVerilog
- FPGA Design
- Medical Devices
- Testing and Validation
- Compliance

EDUCATION

BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING, HEALTH UNIVERSITY, 2015

LANGUAGE

- English
- Spanish
- German

ACHIEVEMENTS

- Recognized for 'Innovative Design' award for contributions to patient monitoring technology in 2021.
- Improved design efficiency by 20% through process optimization initiatives.
- Successfully contributed to projects that passed FDA audits without issues.

Michael Anderson

FPGA DESIGN ENGINEER

As a dedicated FPGA Design Engineer with 7 years of experience in medical device technology, my expertise lies in developing reliable and efficient FPGA designs for critical monitoring systems. I have worked extensively with VHDL and SystemVerilog, focusing on enhancing system accuracy and safety for patients. My background includes collaborating with biomedical engineers to create FPGA solutions that comply with health regulations while achieving high performance.

EXPERIENCE

FPGA DESIGN ENGINEER

HealthTech Innovations

2016 - Present

- Developed FPGA solutions for patient monitoring systems, achieving a 30% increase in data accuracy.
- Collaborated with biomedical teams to ensure designs met healthcare regulations.
- Performed extensive testing and validation, resulting in zero defects during regulatory audits.
- Optimized VHDL code to improve system performance, reducing latency by 25%.
- Documented design specifications and test procedures for compliance and traceability.
- Participated in design reviews, contributing to continuous improvement initiatives.

JUNIOR FPGA ENGINEER

MedTech Solutions

2014 - 2016

- Assisted in the development of FPGA designs for medical imaging systems, enhancing image processing capabilities by 20%.
- Conducted testing and debugging of FPGA designs to ensure functionality and compliance.
- Collaborated with senior engineers to optimize existing designs for better performance.
- Maintained thorough documentation of design processes and results.
- Provided support in the preparation of regulatory submissions.
- Engaged in continuous learning to stay updated with industry advancements.