

Jaselynn Matlock

Biomedical Engineer

Profile

Biomedical Engineer with two years of experience in designing medical devices and improving healthcare technology. Skilled in CAD software and regulatory compliance, adept at collaborating with cross-functional teams to innovate and optimize patient care solutions.

Employment History

Junior Biomedical Engineer at Medtronic, IN

Mar 2025 - Present

- Developed and tested prototype medical devices, improving design efficiency by 15% through iterative feedback.
- Collaborated with cross-functional teams to troubleshoot equipment issues, reducing downtime by 20%.
- Conducted data analysis for research projects, contributing to a 10% increase in project accuracy.
- Assisted in regulatory documentation preparation, ensuring compliance with FDA standards ahead of schedule.
- Implemented quality control procedures that enhanced product reliability, decreasing defect rates by 12%.

Biomedical Engineering Intern at Boston Scientific, IN

Feb 2023 - Feb 2025

- Developed prototype medical devices, reducing design iteration time by 20% through efficient CAD modeling and simulation.
- Collaborated with cross-functional teams to enhance device performance, leading to a 15% increase in product reliability.
- Conducted rigorous testing protocols on new materials, resulting in the identification of three potential cost-saving alternatives.
- Analyzed clinical trial data to optimize device parameters, contributing to a 10% improvement in patient outcomes.

Certificates

Certified Biomedical Auditor (CBA)

Oct 2023

Clinical Engineering Certification (CCE)

May 2022

Memberships

Biomedical Engineering Society

Institute of Electrical and Electronics Engineers

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📍 Fort Wayne, IN

Education

Master of Science in Biomedical Engineering at Purdue University, West Lafayette, IN

Mar 2019 - May 2023

Relevant Coursework: Biomaterials, Biomechanics, Medical Imaging, Tissue Engineering, Systems Physiology, Computational Modeling, and Bioinstrumentation.

Links

[linkedin.com/in/jaselynnmatlock](https://www.linkedin.com/in/jaselynnmatlock)

Skills

MATLAB

SolidWorks

LabVIEW

AutoCAD

Python

ANSYS

Simulink

Languages

English

Russian