

MITCHELL LEWIS

Consulting Engineer



Mitchell Lewis, Consulting Engineer at Modality Solutions is a valuable team member at the Advantage Transportation Simulation Laboratory™ in Indiana. He is one of the engineers responsible for generating data on the impact of five environmental hazards (temperature, humidity, pressure, shock, and vibration) on the critical-to-quality attributes of biologics, pharmaceuticals, gene and cell therapy, and combination medical device products. His work at the lab involves the support of product-specific supply chain risk assessments, implementing thermal packaging applications, writing and executing protocols, and creating reports for clients effectively summarizing the results of the study.

Mitchell has a robust background in Biomedical Engineering, which has equipped him with the skills to both develop and ensure the functionality of medical devices. During his senior capstone project and coursework, he created his own medical devices. Additionally, his internship at Wexner Medical Center involved diagnosing and repairing existing devices, requiring quick problem-solving and thorough documentation.

In the realm of experimental design, Mitchell gained significant experience at the Pelotonia Cancer Research Center. There, he designed and conducted experiments to study the effects of gene inhibitors on cancer metastasis, working with microfluidics and cell and organoid cultures. This work culminated in a senior thesis that involved detailed data presentation, documentation, and reporting.

A graduate of Ohio State University, Mitchell earned his degree Magna Cum Laude with Honors Research Distinction and placed 3rd in the Undergraduate Research Festival. Known for his determination and commitment to fully understanding complex problems, Mitchell approaches each day with a positive mindset.

Education

Bachelor of Science, Biomedical Engineering

The Ohio State University