

BRIAN BRAZILL

Senior Consulting Engineer



Brian is Modality Solutions' Senior Consulting Engineer. Since joining Modality Solutions in July 2014, Brian's roles have varied, but he has primarily assisted in shipping validation in preparation for regulatory submissions. This includes completing tasks like risk assessments, mitigations strategies, shipping studies, and creation of supplemental documents. Brian also programs and conducts studies within Modality Solutions' Advantage Transport Simulation Laboratory™, where clients can study the effects that transportation hazards have on their products.

Brian attended Purdue University where he received his degree in Chemical Engineering. Brian brings his study and passion for chemical engineering to the study of environmental stresses on biologics and vaccines, diagnostics, solid oral formulations, and combination medical devices during transport for each stage of the development process.

Brian has mastered SolidWorks, a 3D software tool that enables him to create, simulate, publish, and manage data. In his role of senior consulting engineer, Brian is well positioned to work together with clients to help them design products better, faster, and more cost-effectively. He also has applied computer programming to client projects and has mastered several languages including Matlab, Visual Basic, and Python.

In addition, Brian served as an engineering intern for Northern Indiana Public Service Company (NIPSCO). In this position he collected field data from utility pipelines regarding the cathodic protection from corrosion, communicated with customers with pipelines located on their property and explained purpose of his testing, conducted remedial studies on pipelines which did not test within acceptable boundaries for protection, participated and developed solutions on a project involving an unknown source of corrosion in drip tanks at a storage field, worked with various institutions, including the USGS and Purdue University, to research possible causes for newly discovered corrosion and consolidated historical dated records from multiple sources to new computer databases.

Brian also served as an intern at Dow AgroSciences LLC, a wholly owned subsidiary of the Dow Chemical Company specializing in not only agricultural chemicals such as pesticides, but also seeds and biotechnology solutions. While at Dow, Brian supervised up to eight people performing field studies and activities, planted corn plants, infested corn plants with diseases, tassel bagged, shoot bagged, and pollinated corn plants, collected several kinds of growth data of corn, including silk and pollen dates, and plant and ear heights, maintained integrity of test fields through elimination of weeds, rogue plants, and plants with genetic anomalies and implemented special procedures to maintain isolation of potentially hazardous, genetically modified plants from unmodified ones.

Education

Bachelor of Science, Chemical Engineering Purdue University

