

Matthew C. Williams

ACTAR

Senior Staff Consultant



As a Senior Staff Consultant within the automotive group, Matthew C. Williams performs inspections, undertakes analysis of accidents, and writes reports of his findings.

Prior to joining ESI, Mr. Williams worked as an Associate Engineer with Biodynamic Research Corporation (BRC), based in San Antonio, Texas. During his time there, he conducted inspections of both subject and exemplar vehicles, performed three-dimensional scans, retrieved and analyzed data from Event Data Recorders (EDRs) of passenger vehicles, and authored comprehensive impact analysis reports. In addition to using several methods for developing crush analyses, Matthew is experienced in using HVE Accident Reconstruction software to perform momentum analyses and accident simulations.

Mr. Williams has accumulated extensive education in biomedical sciences prior to his work as a mechanical engineer. He also has over five years of experience in product design and development of consumer and automated commercial products, as well as creating patent applications for these designs. Mr. Williams' background in these fields has been leveraged to assist in cases involving biomechanics, mechanical product design defects, and patent infringement.

Education

BS, Mechanical Engineering. Louisiana Tech University. 2018

MS, Biological Medical Sciences. Mississippi College. 2012

BS, Biology (Molecular & Cellular). Centenary College of Louisiana. 2009

Licenses & Certifications

- FARO Focus Scanner User Certification Program
- Bosch CDR Tool Technician Certification
- Recon 3D Certification
- ACTAR Certification

Contact Information

mcwilliams@engsys.com

(318) 560-4647

ESi Dallas

10338 Miller Road
Dallas, Texas 75238

Areas of Specialization

- Accident Reconstruction
- Mechanical Engineering
- Product Development
- Crash Simulation & Analysis
- 3D Modeling & CAD
- Data Analytics

Positions Held

Engineering Systems Inc., Dallas, Texas

- Senior Staff Consultant, 2025 – Present

Biodynamic Research Corporation, San Antonio, Texas

- Accident Reconstruction Engineer, 2023 – 2025

Inventherm, LLC

- R&D Engineer, 2021 – 2023

LA New Product Development Team

- Product Development Engineer, 2017 – 2021

Hunt, Guillot & Associates

- Mechanical Engineering Intern, 2015

General Nutrition Center

- Sales Associate, 2009 – 2014

LSU Health Sciences Center

- Laboratory Assistant & Diagnostic Technician, 2004 – 2008

LSU Health Sciences Center

- Student Researcher, 2001 – 2004

Continuing Education

- **SAE Accessing and Interpreting Heavy Vehicle Event Data Recorders (HVEDR)**
- **Crash Simulation Software (HVE, PC-Crash)**
- **3D Scanning & Photogrammetry**
- **Statistical Injury Analysis (NASS, CISS)**
- **Design for Manufacturing (DFM)**
- **Geometric Dimensioning & Tolerancing (GD&T)**