



Marcelino Beltran, BSME

Mr. Beltran is a mechanical engineer with experience in the investigation and analysis of passenger vehicle, commercial trucking, and motorcycle collisions. He has conducted vehicle and collision site inspections, digital mapping of collision scenes, vehicle scanning, drone aerial photography, and imaging of passenger vehicle Event Data Recorders (EDR). Mr. Beltran has experience utilizing mathematical models and preparing computer simulations to analyze and visualize vehicular collisions. He prepares professional engineering reports and provides expert witness testimony.

EDUCATION

Texas A&M University, Corpus Christi	
BS Mechanical Engineering	2024

PROFESSIONAL MEMBERSHIPS

Remote Pilot Certified by the Federal Aviation Administration	
FAA	No. 5092196
Society of Automotive Engineers	
SAE	No. 6163276500

SPECIALIZED COURSEWORK AND CONFERENCES

- *Traffic Crash Reconstruction II*, Northwestern University Center for Public Safety, 2025.
- *Traffic Crash Reconstruction I*, Northwestern University Center for Public Safety, 2025.
- *Bosch CDR Tool Online* – Crash Data Group Online Training, 2024

CAREER ENGAGEMENTS

05/26 – Present

Crash Engineer, L.L.C., San Antonio, Texas

Engineer II: Provide investigation and analysis of passenger vehicle, heavy truck, motorcycle, bicycle, and pedestrian collisions. Conduct vehicle and collision site inspections, digital mapping of collision scenes, and imaging of passenger vehicle Event Data Recorders (EDR). Utilize mathematical models and prepare computer simulations and animations to analyze and visualize vehicular collisions. Prepare professional engineering reports and provide expert witness testimony.

09/24-5/26

Biodynamic Research Corporation, San Antonio, Texas

Support Engineer: Perform accident reconstruction and collision analysis. Assisted with vehicle and collision site inspections, developed engineering illustrations, and prepared technical reports outlining research and findings. Conducted occupant kinematics and mathematical analyses in support of consultant casework. Developed accident reconstruction and occupant kinematics animations utilizing Faro Zone and Rhino 8 CAD software.

RESEARCH PROJECTS

Texas A&M University – Corpus Christi, TX

Designed and led a team in the development of a high-altitude system that reached an altitude of approximately 91,000 feet during the Solar Eclipse, collecting critical sensor data including temperature variation, atmospheric pressure changes, and ultraviolet light intensity. Prepared technical component drawings utilizing Fusion 360 software and developed progress reports and GANTT charts to coordinate scheduling, task management, and overall project execution.