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Please Respond to
Administrative Address:
133 East 143rd Avenue
Tampa, FL 33613

Curriculum Vitae

Steven J. Herbert, P.E.

Professional Profile

At Focus Forensics, Mr. Herbert conducts investigations and analyses of collision events, including factors related to vehicles, drivers, and roadway environments. He applies his passion for vehicular collision reconstruction and his mechanical engineering education and experience to the data collection, modeling, and analytical understanding of dynamic vehicular incidents. His practice includes the evaluation of issues related to all types of transportation users, including automobiles, pedestrians, bicycles, motorcycles, commercial vehicles, transit, highway-rail grade crossings, and work zone temporary traffic control. He is active in the ongoing engineering research projects conducted by Focus Forensics in the fields of vehicle dynamics, collision reconstruction engineering methodologies, and applications of new technology to the understanding of human, vehicular, and roadway factors in transportation safety. Mr. Herbert has testified as an expert in his field of engineering practice.

His role includes field investigations, data collection, vehicle and scene documentation, electronic data retrieval, and inspections of vehicular and roadway systems. Mr. Herbert utilizes cutting edge technology to capture evidence and preserve electronic information, including FARO 3D laser scanning, Total Station laser mapping, Bosch CDR vehicle download system, commercial vehicle Engine Control Module (ECM) data extraction systems, unmanned aerial vehicle (UAV) mapping and imagery, speedometer inspection, forensic photography, photogrammetry, and traffic signal data documentation. He also incorporates the latest developments in engineering software, modeling, physics calculation methods, and rigorous analytical tools for evaluation of a wide variety of collision scenarios. Mr. Herbert is skilled in forensic diagramming and 3-D modeling for the analysis and demonstrative visual communication of engineering concepts.

Licensure and Professional Certification

Professional Engineer, State of Arkansas, #24463
Professional Engineer, State of Florida, # 92104
Professional Engineer, State of Georgia, # PE055696
Professional Engineer, State of Mississippi, #37424
Professional Engineer, State of Texas, #143276

Accident Reconstruction Certification Program
Society of Automotive Engineers

Accredited Accident Reconstructionist, #3687
Accreditation Commission for Traffic Accident Reconstruction (ACTAR)

Remote Pilot – Small Unmanned Aircraft System
Federal Aviation Administration

Contact Information

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906 W. McDermott Dr.,
Suite 116-191
Allen, TX 75013

Education

Pennsylvania State University
Reading, Pennsylvania
B.S. in Mechanical Engineering

Work Experience

Focus Forensics, LLC
Senior Engineer: 2023-*Present*
Engineer: 2021-2022
Consultant: *2019-2021*

Kinetic Engineering and Accident Reconstruction Services -
Project Consultant: *2017-2019*

SFS Intec, Inc. -
Product Engineering Intern: *2017*

Professional Affiliations

National Association of Professional Accident Reconstruction Specialists (NAPARS), Member

Society of Automotive Engineers (SAE), Member

Professional Development

Collision Safety Institute/ ARC

- ARC-CSI Crash Conference, 2017

Driver Research Institute/ Crash Safety Solutions

- IDRR/Response User Forum, 2025

Institute of Police Technology and Management (IPTM)

- Symposium of Traffic Safety, 2021

Focus Forensics, LLC

- Transportation Engineering and Accident Reconstruction Insights, 2022
- Transportation Engineering and Accident Reconstruction Insights, 2024
  - Human Factors for Driver Response
  - Traffic Signal Design and Operation
  - Transportation Engineering Sight Distance Standards
  - Automotive Mechanical Systems and Data Acquisition
  - Photogrammetric Methods
  - Video Analysis with Telemetry Data
  - LIDAR Scanning and Data Processing
  - Virtual Crash Applications for Simulation and Animation
  - PC Crash Applications for Steering and Yaw Rate
  - Expert Testimony Regulations and Standards
  - Commercial Vehicle EDR Data Extraction and Analysis
  - Vehicle EDR Systems for Toyota and General Motors

Transportation Engineering and Accident Reconstruction Insights, 2025

- EDR Extraction and Analysis Methods for Video Radar Decision Units (VRDU)
- Acquisition and Analysis Methods for Temporary Roadway Conditions
- LIDAR Scanning and Data Processing
- Air Brake Testing Standards and Techniques
- Heavy Vehicle EDR Extraction and Analysis Methods
- Drone Mapping Techniques and Processing
- Data Processing and Analysis with Cloud Compare
- Photogrammetry Software Methods and Techniques
- Technology for Capturing Photo/ Video Demonstratives of Available Driver Views
- Telemetry Overlay Software Techniques and Processing
- VCrash Animations and Simulations for Pedestrian and Bicycle Collisions
- Monte Carlo Statistical Analysis for Uncertainty Ranges
- Human Factors Analysis of Road User Detection and Response
- Transportation Engineering Design and Limitations for Micromobility Vehicles on Sidewalks
- EDR Vehicle Yaw and Steering Data Simulation, Analysis and Modeling
- Contextual Evaluation of Slow-Moving Lead Vehicle Scenarios and Looming Calculations
- Comprehensive Context Points for Collision Reconstructions

Lightpoint Scientific, LLC

- Advanced Photogrammetry for Collision Reconstruction, 2019
- Motorcycle Collision Reconstruction, 2024

National Association of Professional Accident Reconstruction Specialists (NAPARS)

- Finding A/B Stiffness Values from NHTSA Data, 2025
- Motorcycle Collision Investigation, 2026

Professional Development Continued

Northwestern University Center of Public Safety

- Traffic Crash Reconstruction I, 2017
- Crash Data Retrieval Technician, 2018
- Crash Data Retrieval – Data Analyst, 2018
- Heavy Vehicle Forensic Mechanical Inspection for Collision Investigations, 2025
- Advanced Driver Assistance Systems for the Crash Reconstructionist, 2026

Recon 3D

- Recon-3D Training Course, 2022

Society of Automotive Engineers (SAE)

- Accessing and Interpreting Heavy Vehicle Event Data Recorders, 2018
- Vehicle Crash Reconstruction: Principles and Technology,2019
- Accident Reconstruction, The Autonomous Vehicle and ADAS, 2020
- Fundamentals of Vehicle Dynamics, 2021
- Driver Distraction from Electronic Devices: Insights and Implications, 2022
- Applied Vehicle Dynamics, 2022
- Advanced Applications of Heavy Vehicle EDR Data, 2023

Texas Association of Accident Reconstruction Specialists

- Photogrammetry, Lidar Scanning and Cloud Compare, 2025

Virtual Crash

- Collision Simulation and Reconstruction, 2021

World Reconstruction Exposition (WREX)

- World Reconstruction Exposition (WREX), 2023

Seminar and Course Presentations

"EDR Data Training", Ward Law Group, 2023