

LAYNE A. KERLEY

Accident Technician II

Accident Reconstruction Support | Scene & Vehicle Documentation | Motorcycle Reconstruction Support
layne@kerleyreconstruction.com | www.kerleyreconstruction.com | Updated August 28, 2026

PROFESSIONAL PROFILE

Accident Technician II with Kerley Reconstruction LLC supporting accident reconstruction analyses, scene and vehicle documentation, drone-assisted mapping, and technical case preparation for legal and investigative matters. Has assisted with accident reconstruction since July 2023, including serious-injury and fatal collisions involving passenger vehicles, commercial vehicles, pedestrians, motorcycles, and bicycles.

Background includes mechanical engineering studies at National Park College and specialized training in Basic Collision Investigations, Motorcycle Reconstruction, and Toyota GTS+ Technician procedures. Affiliated with the National Association of Professional Accident Reconstruction Specialists (NAPARS). Applies field experience and technical training to measurements, evidence documentation, data preservation, and analytical support. Military experience as a tanker and horse cavalry soldier contributes to vehicle-operation awareness, equipment safety, and disciplined documentation practices.

CORE EXPERTISE

- **Accident Reconstruction Support:** speed and time-distance analysis support, human factors considerations, EDR/black box imaging support, energy/damage profile review, lamp examinations, occupant kinematics support, and video speed analysis support
- **Drone Mapping & Spatial Documentation:** remote drone scene mapping, aerial imagery capture, roadway/evidence mapping support, and mapping deliverables for reconstruction review
- **Vehicle Data & Technical Tools:** Toyota GTS+ Technician training, vehicle information review, technical data organization, and preservation of vehicle-related outputs for reconstruction analysis
- **Scene & Vehicle Evidence Documentation:** structured photographs, photo descriptions, measurements, vehicle damage observations, roadway evidence, debris, skid/tire marks, vehicle positions, and evidence notes
- **Motorcycle Reconstruction Support:** Motorcycle Reconstruction training, motorcycle collision evidence recognition, vehicle/rider dynamics awareness, and case-materials organization
- **Military Vehicle & Field Operations:** military vehicle operation, HMMWV and armored-vehicle experience, field safety, equipment discipline, and procedural documentation practices

ACCREDITATION, CERTIFICATIONS, AND PROFESSIONAL AFFILIATIONS

Professional Affiliation	National Association of Professional Accident Reconstruction Specialists (NAPARS)
Accident Investigation Training	Basic Collision Investigations February 9, 2024
Motorcycle Reconstruction Training	Motorcycle Reconstruction January 24, 2025
Vehicle Data / Diagnostic Tools	Toyota GTS+ Technician June 6, 2025
Federal Aviation Administration	Remote Drone Pilot No. 5282696

PROFESSIONAL EXPERIENCE

KERLEY RECONSTRUCTION LLC

2024-Present*Accident Technician II*

- Provide advanced technical support for collision investigations and reconstruction analyses involving serious-injury and fatal collisions, passenger vehicles, commercial vehicles, pedestrians, motorcycles, and bicycles.

- Conduct assigned collision scene and vehicle documentation through photographs, measurements, damage observations, and inspection records. Document roadway features, tire marks, debris, vehicle components, and other physical evidence for reconstruction review.
- Assist reconstructionists with speed calculations, time-distance analyses, measurement verification, and geometric evaluations. Apply mathematical and physics principles to assigned analytical tasks under their technical direction.
- Support human factors evaluations, energy and damage assessments, lamp examinations, occupant kinematics, and video-based speed analysis by preparing measurements, technical data, and supporting documentation.
- Assist with Event Data Recorder (EDR) imaging and vehicle electronic data retrieval, including Bosch Crash Data Retrieval (CDR) and Toyota GTS+. Document vehicle identification, acquisition procedures, and retrieved files while preserving original electronic data.
- Support forensic mapping and drone-assisted scene documentation. Process and organize measurements, mapping files, imagery, and related technical records for reconstruction analysis.
- Prepare field notes, inspection records, photograph descriptions, evidence summaries, factual diagrams, and supporting exhibits for reconstruction reports and case presentations.
- Organize and preserve original photographs, videos, measurements, electronic vehicle data, calculations, and other case materials. Maintain records of source materials and technical work so measurements, calculations, and processed data can be reviewed and reproduced.
- Review assigned documentation for accuracy, completeness, measurement discrepancies, and proper file identification. Communicate missing information, data inconsistencies, and technical limitations to the assigned reconstructionist and Senior Accident Technician.

STIDHAM RECONSTRUCTION & INVESTIGATIONS

2024-2026

Accident Technician

- Assist with reconstruction assignments for legal and investigative matters, including scene, vehicle, and evidence documentation.
- Support analysis of passenger vehicle, commercial vehicle, pedestrian, motorcycle, and bicycle collisions by organizing scene photographs, vehicle photographs, roadway measurements, and supporting case materials.
- Assist with speed, time-distance, EDR/black box, energy/damage, lamp, occupant kinematics, human factors, and video speed analysis workflows under reconstructionist direction while maintaining disciplined case-file organization.

JACKSON RECONSTRUCTION

2023-2024

Accident Technician

- Began accident technician work in July 2023 and developed foundational skills in collision-scene documentation, vehicle documentation, photographic evidence review, and mapping support.
- Documented and described photographs, assisted with remote drone scene mapping, and documented vehicles involved in collisions.
- Supported reconstruction case preparation by organizing scene information, vehicle information, measurements, roadway conditions, vehicle damage observations, and evidence documentation for review by senior reconstructionists.

UNITED STATES ARMY

2019-2023

Tanker | Horse Cavalry

- Served as a tank crew member and later transferred to one of the U.S. Army's remaining horse-mounted units at Fort Hood, Texas.
- Operated and worked around military vehicles and equipment, including three-quarter-ton and one-ton trucks, High Mobility Multipurpose Wheeled Vehicles (HMMWV), and M1 Abrams series battle tanks.
- Applied field discipline, equipment inspection practices, safety procedures, and documentation habits in operational environments while performing horse cavalry duties involving preparation, care, riding, grooming, and public presentation of the horse-mounted unit.

EDUCATION

Arkansas Tech University Russellville, AR	Bachelor of Science, Mechanical Engineering coursework in progress
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RELEVANT TRAINING, CERTIFICATIONS, AND CONTINUING EDUCATION

Course / Certification	Date
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Basic Collision Investigations	February 9, 2024
Motorcycle Reconstruction	January 24, 2025
Toyota GTS+ Technician	June 6, 2025
Microsoft Excel for Accident Reconstruction	June 5, 2026

AWARDS AND RECOGNITION

Award / Recognition	Date
U.S. Army Achievement Medal	August 1, 2019
U.S. Army Commendation Medal	November 11, 2021