

LANDON HOLDERNESS

720.431.4712
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TRAFFIC ACCIDENT RECONSTRUCTION

EDUCATION

BS	BAYLOR UNIVERSITY Mechanical Engineering	2026
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LICENSES & CERTIFICATIONS

FAA Part 107 Drone Pilot License

PROFESSIONAL PROFILE

Mr. Landon Holderness is an Associate Accident Reconstructionist with a background in mechanical engineering, vehicle inspection, engineering analysis, and data-driven evaluation of motor-vehicle and pedestrian collisions.

At Explico, Mr. Holderness applies mechanical engineering principles to document crash evidence, evaluate vehicle damage and structural deformation, analyze vehicle control module data, and assess GPS and accelerometer-based data in accident reconstruction matters.

His technical experience includes physics-based collision analysis, computer-based modeling, pedestrian impact research, experimental procedure development, MATLAB, CAD, data acquisition, circuit design, and truss and bridge analysis.

Mr. Holderness also brings research and engineering experience from Baylor University and bridge engineering work, including support-structure design, shock tube research systems, bridge load ratings, and independent checks of bridge contract plans.

AREAS OF EXPERTISE

- Accident Reconstruction
- Vehicle Inspection and Evidence Documentation
- Damage and Structural Deformation Analysis
- Vehicle Control Module Data Analysis
- GPS and Accelerometer-Based Data Analysis
- Motor-Vehicle and Pedestrian Collision Analysis
- Computer-Based Modeling
- Pedestrian Impact Testing
- CAD and Technical Drawings
- MATLAB and Engineering Data Analysis



EXPERIENCE

Explico
2026 - Present Associate Accident Reconstructionist
2023 - 2026 Accident Reconstruction Engineering Intern

Baylor University
2023 - 2025 Research Assistant

RS&H
2023 Engineering Intern

TECHNICAL EXPERIENCE

Accident Reconstruction: vehicle inspections, damage documentation, mechanical failure evidence, vehicle control module data, GPS and accelerometer data, motor-vehicle and pedestrian collision analysis, computer-based modeling
Mechanical Engineering: static structures, internal force calculations, truss design, bridge load ratings, bridge geometry checks, thermodynamics, circuits
Research and Testing: pedestrian impact testing, shock tube research systems, experimental procedure development, support-structure construction, data acquisition
Software and Technical Tools: MATLAB, CAD, C/C++, AASHTOWare Bridge Rating

