



Jeremiah Allen

Automotive Crash Expert

I am a crash reconstructionist with over a decade of law enforcement experience who has been working as a traffic homicide investigator since 2019. My work has focused on resolving complex multi-disciplinary crash investigations including digital forensics, vehicle data systems, and mobile devices.

ACCREDITATIONS, CERTIFICATIONS, LICENSURE

Traffic Accident Reconstructionist ACTAR #4659	2024 – Present
Master Peace Officer Texas Commission on Law Enforcement	2021 – Present
TCOLE Instructor Texas Commission on Law Enforcement	2023 – Present
Private Investigator Texas Department of Public Safety	2023 – Present

Location
Fort Worth, Texas

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SERVICES

- Case review to identify negligence or recklessness
- Crash data analysis
- Crash scene investigations
- Vehicle autopsies
- Full crash reconstruction

TRAINING

- Crash reconstruction
- Crime scene investigation
- Vehicle forensics
- Cellular forensics
- Video forensics

ORGANIZATIONS

- NAPARS
- SAE International
- TAARS



<https://crash.expert>

EXPERIENCE

Tarrant County Sheriff's Office Detective / Traffic Homicide Investigator	2011 – Present
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I started with T.C.S.O. in 2011 as a corrections officer, and I was promoted to deputy in 2012. I graduated top of my class in both academies. I worked as a patrol deputy from 2012-2019, then I joined the Traffic Investigations Unit in 2019. I have been a detective, crash reconstructionist, and traffic homicide investigator for seven years.

- Investigated fatal crashes, hit-and-runs, and other automotive crimes that occurred throughout a major metropolitan area.
- Completed hundreds of crash investigations, ranging from basic crash reports to reconstruction of felony crashes.

Crash Dynamics Consultant	2025 – Present
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In 2025, I was honored to join the team at Crash Dynamics to assist with field investigations, crash reconstruction, and classroom instruction. I have worked on criminal prosecution, criminal defense, and civil litigation cases with them.

- Conducted follow up investigations of crash scenes, examined materials from opposing counsels, and made findings based on that data.
- Performed examinations of vehicles involved in crashes to obtain and verify evidence

EDUCATION

BS	Business Management Western Governors University	March 2019
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CRASH RECONSTRUCTION TRAINING**306 HOURS****Advanced Collision Investigation** – 80 hours

Tim Lovett, Crash Dynamics, Southlake, TX, 2021

Accident RECONstruction – 80 hours

Tim Lovett, Crash Dynamics, Grand Prairie, TX, 2021

Energy Applications in Collision Investigation (CRUSH) – 40 hours

Tim Lovett, Crash Dynamics, Euless, TX, 2022

Bicycle/Pedestrian Collisions – 40 hours

Tim Lovett, Crash Dynamics, Hurst, TX, 2022

Commercial Motor Vehicle Crash Investigation – 40 hours

Lee Jackson, Traffic Crash Reconstruction, Fort Worth, TX, 2023

Motorcycle Collision Reconstruction – 26 hours

Lou Peck, Lightpoint Learning, Virtual, 2023

CRIME SCENE INVESTIGATION TRAINING**184 HOURS****Forensic Mapping** – 40 hours

Tim Lovett, Crash Dynamics, Grand Prairie, TX, 2019

Crime Scene Investigation (Intermediate) – 40 hours

Stephen Seabolt, Tarrant County Sheriff's Office, Fort Worth, TX, 2022

CRASH GNSS Diagram, Analyze, & Deliver – 32 hours

Randall Honeycutt, Trimble Forensics, Lake Worth, TX, 2023

Leica RTC360 3D Reality Capture Solutions System – 40 hours

Joseph F. Wasko, Collision & Crime Forensic Solutions, Fort Worth, TX 2024

Leica MAP360 Pro Forensic CAD Software – 32 hours

Joseph F. Wasko, Collision & Crime Forensic Solutions, Fort Worth, TX 2024

DIGITAL FORENSICS TRAINING**164 HOURS****CDR Technician** – 16 hours

Tim Seeley, Tim Seeley and Associates, Garland, TX, 2022

CDR Data Analyst – 40 hours

W. R. "Rusty" Haight, Collision Safety Institute, Dallas, TX, 2022

CDR Tool Train-the-Trainer – 8 hours

W. R. "Rusty" Haight, Collision Safety Institute, Houston, TX, 2024

DIGITAL FORENSICS TRAINING (continued)

Cellular Forensics Technology – 40 hours
Glenn Bard, PATCtech, Fort Worth, TX, 2021

Cell Phone Evidence: From Seizure to Courtroom – 20 hours
Glenn Bard, PATCtech, Fort Worth, TX, 2023

Video Analysis in Collision Reconstruction – 40 hours
Mark Crouch and Stephen Cash, LEVA International, Online, 2025

CRIMINAL INVESTIGATIONS TRAINING

40 HOURS

Reid Technique of Investigative Interviewing & Advanced Interrogation – 32 hours
Tim Buckley, Reid Institute, Fort Worth, TX, 2020

Eyewitness Evidence/Identification – 8 hours
Lexipol Online Training, Virtual, 2019

CONFERENCE ATTENDANCE

- SAE Accident Reconstruction Digital Summit – March 2022
- SAE Accident Reconstruction Digital Summit – February 2023
- World Reconstruction Exposition (WREX) – April 2023
- EDR Users' Summit – February 2024
- SAE Accident Reconstruction Digital Summit – February 2024
- NATARI Joint Annual Conference – October 2024
- Texas Association of Accident Reconstruction Specialists – October 2024

PROFESSIONAL AFFILIATIONS

National Association of Professional Accident Reconstructionists (NAPARS)	2021 – Present
Texas Association of Accident Reconstruction Specialists (TAARS)	2021 – Present
SAE International	2021 – Present

TEACHING EXPERIENCE

Tarrant County College, Fort Worth, TX
Adjunct Instructor, Basic Peace Officer Academy

- Seven Step Violator and Basic Crash Investigations
- Developed lesson plans, presentation, and examination materials
- Coordinated instruction with academy staff and other adjunct instructors

TEACHING EXPERIENCE (continued)

Crash Dynamics, Fort Worth, TX
Instructor

2025 – Present

- Assisting with teaching crash reconstruction focused classes including Intermediate and Advanced Collision Investigation and Collision Reconstruction
- Annual classes averaging 20 experienced law enforcement officers becoming crash investigators

PRESENTATIONS AND LECTURES

Lecture, “Crash Response and Investigation for New Deputies”
Tarrant County Sheriff’s Office, Lake Worth, TX

2021 – Present

- Department policies, best practices, and statutes from both the Texas Transportation Code and Texas Penal Code related to automotive crash investigations
- Scene management for major crash incidents
- 2-hour lecture presented to 5-10 law enforcement officers multiple times per year

MEDIA APPEARANCES

Keynote Speaker, Tarrant County Sheriff’s Office Press Conference (October 2025), “Operation Safe City, Dangerous Roads”

- Televised press conference announcing an initiative to reduce fatality crashes throughout Tarrant County
- Keynote speech ahead of the Sheriff and major chiefs of police focusing on fatal crashes in Tarrant County

Quoted Expert, Fort Worth Star-Telegram (July 2025), “Traffic deaths have spiked in Tarrant County. What’s behind the increase?”

CONTINUING EDUCATION

51 HOURS

▪ Vehicle Spin Analysis with George Meinschein, NAPARS, 2022	2.0
▪ Vehicle Dynamics with Adam Hyde, NAPARS, 2022	2.0
▪ BENDIX Pro with Tommy Sturdivan, NAPARS, 2022	2.0
▪ Crash Investigations with Anthony Bandiero, Blue to Gold, 2022	1.0
▪ Introduction to Forensic Acquisition of Mobile Devices in Accident Reconstruction with Shanon Burgess, WREX, 2023	1.5
▪ GPS Data: Sources, Analysis, and Presentation with Gary Johnson, WREX, 2023	1.5
▪ Comparison of Skidding Vehicle Drag Factor on Various Surfaces with Jenelle and Mick Hardiman, WREX, 2023	1.5
▪ The Importance of Tires in Accident Investigation with T. J. Tennent, WREX, 2023	1.5
▪ Video Analysis in Collision Reconstruction with Ben Molnar, WREX, 2023	1.5
▪ Vehicle System Forensics: Background, Data Elements, & Validation with Wesley Vandiver, WREX, 2023	1.5
▪ Working with GO Pro and GPS Data with Greg Russell, WREX, 2023	1.5
▪ The Use of Mobile Device Lidar in Collision Reconstruction with Eugene Liscio, WREX, 2023	1.5

CONTINUING EDUCATION (continued)

▪ Learning Proper Methodologies by Learning from the Mistakes of Others with Jeff Mutgart, WREX, 2023	1.5
▪ Automotive Test Equipment, DTCs, and Pre-Crash Data Sources with Kent Boots, WREX, 2023	1.5
▪ ADAS and Accident Reconstruction with Alan Moore, NAPARS, 2023	2.0
▪ GM Vehicle Systems and their EDRs with Don Floyd, EDR Users' Summit, 2024	1.5
▪ FCM Data – Practical Application with Jason Chilson, EDR Users' Summit, 2024	1.0
▪ Toyota Safety Sense (TSS) with Tim Reust and Jim Morgan, EDR Users' Summit, 2024	2.0
▪ Heavy Vehicle EDR with Charles Getz, EDR Users' Summit, 2024	2.0
▪ Mobile Forensics: Correlating Digital Data Between Mobile Phones, Phone Records, and Vehicle Systems with Shannon Burgess, EDR Users' Summit, 2024	1.5
▪ Automated Traffic Signal Performance Measures and EDR with Ramon Homan, EDR Users' Summit, 2024	1.5
▪ ASCM/FCM – CDR Data Application with Tommy Beetham, EDR Users' Summit, 2024	1.5
▪ Toyota Vehicle Control History with Russ Cassella, EDR Users' Summit, 2024	2.0
▪ Verifying EDR Data with Chris Medwell, EDR Users' Summit, 2024	1.0
▪ Vehicle System Forensics with Wesley Vandiver, EDR Users' Summit, 2024	1.5
▪ Nissan Data Polarity and “Clipping” with Donald Phillips, EDR Users' Summit, 2024	1.0
▪ Tesla CAN Bus Data with Rusty Haight, EDR Users' Summit, 2024	1.0
▪ Approach to Drone Mapping for Accident Reconstruction with Clare Grimes, SAE Accident Reconstruction Digital Summit, 2024	0.5
▪ Artificial Intelligence (AI) for Accident Reconstruction with Jerrod Carter, SAE Accident Reconstruction Digital Summit, 2024	0.5
▪ Horrible Crash Reconstruction; Learning from Others Mistakes with Jeffrey Mutgart, NATARI Joint Annual Conference, 2024	2.0
▪ EDR Update with Rick Ruth, NATARI Joint Annual Conference, 2024	2.0
▪ Portable and Economical Scanning for Collision Reconstruction with Eugene Liscio, NATARI Joint Annual Conference, 2024	2.0
▪ Video Analysis with Josh Guthrie, NATARI Joint Annual Conference, 2024	2.0
▪ Time and Distance with Adam Hyde, NATARI Joint Annual Conference, 2024	2.0