

R O G E R . R I D E R

C U R R I C U L U M V I T A E

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Contact Information

Triple “R” Investigations

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Professional Qualifications Summary

Criminal justice educator, retired law enforcement corporal and detective, licensed private investigator, forensic reconstruction consultant, and immersive-technology researcher with more than twenty years of experience in law enforcement investigation, scene documentation, collision reconstruction, 3D laser scanning, forensic mapping, professional instruction, and courtroom testimony. Developer and instructor of CRIJ 4385 – Special Topics in Criminal Justice: Augmented (Virtual) Reality Crime Scene Reconstruction at Tarleton State University.

TEACHING EXPERIENCE

Adjunct Instructor, Department of Criminal Justice

Tarleton State University | 2026–Present

- Instructor of record for CRIJ 4385 – Special Topics in Criminal Justice
- Course topic: Augmented (Virtual) Reality Crime Scene Reconstruction
- Developed and delivered a 16-week asynchronous course integrating CSI360, virtual crime scenes, reconstruction exercises, 3D documentation, scientific reasoning, report writing, and testimony
- Instructor of record for CRIJ 3315 – Rules of Criminal Evidence
- Developed competency-based instructional materials, assessments, immersive exercises, and Canvas modules

TEACHING EXPERIENCE (Continued)

Adjunct Instructor – Tarleton State University at RELLIS

CRIJ 4303 - Crime, Justice, and Social Diversity | Fall 2022

- Taught theoretical and applied diversity frameworks in criminal justice
- Developed an inclusive curriculum aligned with contemporary social issues

Instructor & Training Specialist – Triple “R” Investigations

- ALIVE Active Shooter Survival Instructor (2023–Present)
- 3D Scanning & FARO Certification Instructor (2017–Present)

Police Training Officer & Instructor – Hurst Police Department

- Intermediate Crime Scene Investigation, Field Training, and Officer Development (2003–2019)

Police Academy Crash Instructor – North Central Texas Council of Governments Police Academy

- Basic Crash Investigation (2003-2025)

EDUCATION

Doctor of Philosophy in Criminal Justice, 2025

Tarleton State University, Fort Worth, TX

Dissertation: Advancing Law Enforcement Training: Unleashing the Power of Augmented Reality for Effective Policing

Master of Criminal Justice (2017)

Tarleton State University, Fort Worth, TX

Thesis: The Impact of Digital Technology on Crash Reconstruction

B.S. in Construction Science (1989)

Texas A&M University, College Station, TX

CRIME SCENE

- Processed and documented crime scenes
- Conducted scene photography and measurement
- Prepared sketches and diagrams
- Collected, packaged, and preserved physical evidence
- Maintained chain of custody
- Investigated fatal and serious-injury crashes
- Conducted trajectory or spatial analysis, where applicable
- Used total-station, forensic mapping, laser scanning, and reconstruction software
- Prepared investigative and reconstruction reports
- Created demonstrative exhibits
- Testified regarding investigative findings and technical methods
- Served as a crime scene officer or investigator (2000 - 2019)

FORENSICE TECHNOLOGY

- FARO Focus terrestrial laser scanning trainer and operator
- FARO SCENE point-cloud processing, trainer and operator
- FARO Zone 3D forensic diagramming and reconstruction, trainer and operator
- Electronic scene measurement and forensic mapping
- Photogrammetry and 360-degree scene documentation
- CSI360 immersive crime scene environments
- Point-cloud review and quality-control concepts
- Drone and scanner integration
- Courtroom and demonstrative visualization
- Training development using AR and VR environments

PROFESSIONAL EXPERIENCE

Founder & Principal Consultant – Triple R Investigations (2017–Present)

- Lead forensic reconstructions using 3D scanning, FARO software, and digital forensics
- Train law enforcement and testify in court as an expert witness
- Specializing in immersive AR/VR-based training and scenario evaluations

Detective, Corporal, Traffic Officer – Hurst Police Department (1999–2019)

- Processed and documented crime scenes
- Conducted scene photography and measurement
- Prepared sketches and diagrams
- Collected, packaged, and preserved physical evidence
- Maintained chain of custody
- Investigated fatal and serious-injury crashes
- Conducted trajectory or spatial analysis, where applicable
- Used total-station, forensic mapping, laser scanning, and reconstruction software
- Prepared investigative and reconstruction reports
- Created demonstrative exhibits
- Testified regarding investigative findings and technical methods
- Served as a crime scene officer or investigator, using the exact title and dates supported by agency records

RESEARCH & PUBLICATIONS

- Schmidt et al. (2025) Fundamentals of Road Traffic Collision Investigation: Analyzing Road Traffic Collisions - An Introduction. Lulu Press
- Rider, R. R., Dobbs R., Eichenberg, G., Wang, S. K., (2025). Advancing law enforcement training: Unleashing the power of augmented reality for effective policing. Tarleton State University.
- Rider, R. R. (2017). The Impact of New Technology on Crash Reconstruction (Master's Thesis).

RESEARCH & PUBLICATIONS (Continued)

- Rider, R. R., Copeland, C., Dobbs, R. (2018). Officer Perception of New Technology on Crash Reconstructions in Texas, Law Enforcement Executive Forum.
- Rider, R. R. (2019). 3D Scanners in Investigations, PI Magazine.
- Rider, R. R. (2019). Clearing and Documenting Injury and Death Crashes, FARO Insights.
- Liscio, E., Le, Q., Rider, R., Voitel, T. (2021). Accuracy of Google Maps in FARO Zone 3D for Forensic Reconstruction, Journal of Crime Scene Reconstruction.

PRESENTATIONS

- Dealing Cannabis in the Age of the Dark Web – Tarleton State University, 2022, Academy of Criminal Justice Sciences (ACJS) Annual Meeting, 2022.
- Advancing Law Enforcement Training: Unleashing the Power of Augmented Reality for Effective Policing - Tarleton State University, 2025
- 360 Imaging in Forensics - International Association of Forensic and Security Metrology, 2026

CERTIFICATIONS & QUALIFICATIONS

- Master Peace Officer (Texas)
- FAA Remote Pilot (Part 107)
- Certified FARO Scene Instructor
- TCOLE Certified Police Instructor
- Crime-Free Multi-Housing Instructor
- CPTED Specialist
- Mental Health Peace Officer
- Collision Reconstruction (motorcycle, pedestrian, CRUSH)
- Tactical Driving & Advanced Interview Techniques

PROFESSIONAL ORGANIZATIONS

- Texas Association of Licensed Investigators (TALI)
- National Association of Professional Accident Reconstruction Specialists (NAPARS)
- International Association of Forensic and Security Metrology (IAFSM)
- Texas Association of Accident Reconstructionist (TAARS)

LICENSES

- Texas Private Investigator – License #A04168201
- FAA Part 107 Remote Pilot

TRAINING

- Fort Worth Police Academy, 469 hours, Basic Peace Officer 1997.
- Tarrant County College Police Academy, 112 hours, Intermediate Peace Officer, 2000.
- Hurst Police Department, 40 hours, Intermediate Accident Investigation, 2001.
- Tarrant County College Police Academy, 80 hours, Advanced Accident Investigation, 2001.
- Hurst Police Department, 80 hours, Accident Reconstruction, 2002.
- NCTCOG Regional Police Academy, 40 hours, Field Training Officer, 2003.
- Tarrant County College Police Academy, 40 hours, Forensic Mapping, 2003.
- Vericom Computers, Inc., 13 hours, Operator, 2003.
- Tarrant County College Police Academy, 24 hours, National Academy of Police Driving (Tactical Police Driving), 2003.
- Tarrant County College Police Academy, 40 hours, Basic Police Instructor (TCLEOSE), 2004. Instructor Proficiency 2004.
- Tarrant County College Police Academy, 7 hours, Investigation of Intoxication Manslaughter (TDAA), 2004.
- Texas A&M Engineering Extension Service, 40 hours, Vehicle Damage & Energy Relationship in Collision Reconstruction, 2005.
- Tarrant County College Police Academy, 40 hours, Commercial Vehicle Accident Reconstruction, 2006.
- Arlington Police Department, 24 hours, Crime Prevention Through Environmental Design, 2008.
- Hurst Police Department, 32 hours, Police Training Officer, 2008.
- Crash Dynamics, 40 hours, Motorcycle Collision Investigation, 2010.
- Hurst Police Department, 40 hours, Mental Health Peace Officer, 2011.
- NCTCOG Regional Academy, 40 hours, New Supervisor Course, 2011.
- Crash Dynamics, 40 hours, Reconstruction Update, 2011.
- Crash Dynamics, 40 hours, Complex Collision Reconstruction, 2011.
- NCTCOG Regional Academy, 16 hours, IWitness and Crash Zone Software, 2012.
- Tarleton State University, 16 hours, Crime Scene Assessment, 2016.
- John E. Reid and Associates, 18 hours, The Reid Technique of Interviewing and Interrogation, 2016.
- John E. Reid and Associates, 6 hours Advanced Course on The Reid Technique, 2016.
- Texas Forensic Associates, 16 hours, Death Scene Investigations, 2017.
- FARO Scenes, 24 hours Laser scanner and Scene software, 2017.
- John Daily (Sponsored by TAARS), 24 hours, CRUSH, 2017.
- Collision Safety Institute, 16 hours, Crash Data Retrieval Specialist, 2018.
- Institute for Law Enforcement Administration, 160 hours, School of Police Supervision, 2018 .
- FARO Technologies, 40 hours, Train the Trainer Focus and Scenes, 2018.
- International Association of Forensic and Security Metrology, 24 hours, Laser Scanner Operator Certificate, 2018.

TRAINING (Continued)

- Texas Department of Transportation, 12 hours, Train-the-Trainer Course (National Traffic Incident Management), 2020.
- Mass Incident Team Training, 16 hours, FARO Technologies, 2020.
- Ethics and the Private Investigator, 2 Hours, PI Institute of Education, 2021.
- Surveillance Mistakes, 2 hours, PI Institute of Education, 2021.
- Drone and Scanner Integration, 16 hours, FARO Technologies, 2021.
- Forensic Photography Symposium, 20 hours, Ai2-3d Forensics, 2022.
- 4th Annual Consent Decree Conference, Tarleton State University Criminal Justice, 12 hours, 2022.
- WREX 2023 – World Reconstruction Exposition Orlando, Florida, 24 hours, 2023.
- ALIVE Active Shooter Survival Training, Gillespie Forensics and Investigations, 1 hour, July 2023
- Navigating Cryptocurrency in Divorce, Mike Thompson, 1 hour, Oct. 2025
- School Massacres, Frank Deandrea, 1 hour, Oct. 2025
- Board Rules 2025, Keith Oakley, 1 hour, Oct. 2025
- Child and Human Trafficking, TALI, 1 hour, Oct. 2025
- Post-Judgment Asset Recovery, Judy Shea, 1 hour, Oct. 2025
- Ethics in Private Investigations, TALI, 1 hour, Oct. 2025
- Balancing Empathy and Duty, Tommy Hansen. 1 hour, Oct. 2025
- The Role of the Private Investigator in Criminal Defense Cases, Lonnie Cox, Oct. 2025
- Science & Experience of Prone Restraint Risk Mitigation, GTD Scientific, 1.5 hours, Oct. 2025
- Forensic Photography Symposium, ai2-3D Forensics, 22 hours, January 2026
- Crime Scene Reconstruction Conference (ACSR and IAFSM), 18 hours, February 23 - 27, 2026