

CONNOR SMITH

402.889.0494
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TRAFFIC ACCIDENT RECONSTRUCTION

EDUCATION

UNIVERSITY OF NEBRASKA - LINCOLN
BS Mechanical Engineering 2010

LICENSES & CERTIFICATIONS

Traffic Accident Reconstructionist,
Accreditation Commission for Traffic
Accident Reconstruction (ACTAR)

Certified Forensic Video Technician
(CFVT), Law Enforcement and
Emergency Services Video Association
International, Inc. (LEVA)

SAE Accident Reconstruction Certificate

Remote Pilot, Small Unmanned Aircraft
System Rating, Federal Aviation
Administration (FAA)

Crash Data Retrieval (CDR) System® -
Technician Level I and II

Engineer Intern,
State of Nebraska (EI-9141), 2010

AFFILIATIONS

SAE International

Washington Association of Technical
Accident Investigations (WATAI)

PROFESSIONAL PROFILE

Mr. Connor Smith has twelve years of accident reconstruction experience with additional experience in manufacturing and design engineering. Mr. Smith's unique understanding of the visualization component of accident reconstruction serves as a bridge between the engineering analysis and the development of animations and graphics.

Mr. Smith has investigated crashes involving passenger vehicles, commercial vehicles, buses, motorcycles, and pedestrians. Mr. Smith is proficient in scene and vehicle inspections, evidence documentation and preservation, video analysis, and has conducted instrumented vehicle testing of passenger vehicles, commercial vehicles, and motorcycles.

AREAS OF EXPERTISE

Single and Multiple Vehicle Accident Reconstruction

Motorcycle Accident Reconstruction

Accident Scene Investigation

Evidence Documentation

Vehicle Accident Dynamics Simulation

Video Processing and Analysis

Terrestrial and Aerial Photography

EXPERIENCE

Explico

2022 - Present *Managing Accident Reconstructionist*

Luminous Forensics

2021 *Technical Director*

2019 - 2021 *Senior Accident Reconstructionist*

Kineticorp

2014 - 2019 *Engineer*

2010 *Engineering Intern*

Zachary Engineering Corporation

2014 *Engineer II*

2012 - 2014 *Engineer I*

Altec Industries

2011 - 2012 *Manufacturing Engineer*

BOOKS & CHAPTERS

“Video Analysis,” contributing author to Chapter 4 in Pedestrian Accident Reconstruction, by Nathan A. Rose and Neal Carter, Society of Automotive Engineers, 2025.

PEER-REVIEWED PUBLICATIONS

Smith, Connor, Hashemian, Ali, and Erickson, Michael, “Discrepancies Between Metadata and Actual Camera Field of View: A Photogrammetric Approach,” SAE Technical Paper 2025-01-8686, 2025, doi:10.4271/2025-01-8686.

Barreiro, Evan, Smith, Connor, Hashemian, Ali, Erickson, Michael, and Carter, Neal, “Validating the Sun System in 3ds Max for Recreating Shadows,” SAE Technical Paper 2025-01-8685, 2025, doi:10.4271/2025-01-8685.

Rose, Nathan A., Smith, Connor, Carter, Neal and Metanias, Andrew, “Validation of Pedestrian Collision Reconstruction Using the PC-Crash Multibody Pedestrian Model,” SAE Technical Paper 2025-01-8681, 2025, doi:10.4271/2025-01-8681.

Palmer, Jacob, Rose, Nathan, Smith, Connor, Walter, Kevin, et al., "Validation of the PC-Crash Single-Track Vehicle Driver Model for Simulating Motorcycle Motion," SAE Technical Paper 2024-01-2475, 2024, doi:10.4271/2024-01-2475.

Rose, Nathan A., Palmer, Jacob, Smith, Connor, Carter, Neal, et al., "Decelerations of Capsized Motorcycles - An Update," SAE Technical Paper 2022-01-0823, 2022, doi:10.4271/2022-01-0823.

Zeitler, Jason P., Palmer, Jacob, and Smith, Connor, "Validation of EEPROM Chip Removal and Reinstallation for Retrieval of Electronic Crash Data - Destructive and Non-Destructive Methods," SAE Technical Paper 2021-01-0907, 2021, doi:10.4271/2021-01-0907.

Rose, Nathan A., Carter, Neal, and Smith, Connor, "Further Validation of Equations for Motorcycle Lean on a Curve" SAE Technical Paper 2018-01-0529, 2018, doi:10.4271/2018-01-0529.

Bortles, William, McDonough, Sean, Smith, Connor, and Stogsdill, Mike, "An Introduction to the Forensic Acquisition of Passenger Vehicle Infotainment and Telematics Systems Data," SAE Technical Paper 2017-01-1437, 2017, doi:10.4271/2017-01-1437.

Bortles, William, Biever, Wayne, Carter, Neal, and Smith, Connor, "A Compendium of Passenger Vehicle Event Data Recorder Literature and Analysis of Validation Studies," SAE Technical Paper 2016-01-1497, 2016, doi:10.4271/2016-01-1497.

PRESENTATIONS AND COURSES TAUGHT

"Video Analysis in Accident Reconstruction," Washington Defense Trial Lawyers, 1 Hour Webinar, November 21, 2023.

"Pedestrian Crash Reconstruction," Washington Defense Trial Lawyers, 1 Hour Webinar, December 10, 2024.

PROFESSIONAL DEVELOPMENT

Driver Research Institute

Advanced Crash Reconstruction: Utilizing Human Factors Research, April 27 - May 1, 2026.

Lightpoint

The Black Box and Beyond: An Exploration of Motorcycle Data Sources, Louis R. Peck, November 6, 2025.

Washington Association of Technical Accident Investigators (WATAI)

WATAI 2024 Spring Conference - Motorcycle Collision Investigation, May 14-15, 2024.

WATAI 2023 Fall Conference, October 11-12, 2023. (Topics Covered: Pedestrian Collisions, Vehicle Acceleration/Deceleration Testing, Alternate Reconstruction Methodologies, Calculating Speed from Video).

Law Enforcement and Emergency Services Video Association International, Inc. (LEVA)

Video Analysis in Collision Reconstruction, 40 hour course, September 30-October 4, 2024.

LEVA Level 2: Digital Multimedia Evidence Processing, Scottsdale, AZ, November 13-17, 2023.

LEVA Level 1: Forensic Video Analysis & the Law, San Jose, CA, October 17-21, 2022.

Society of Automotive Engineers

ADAS Testing & Reconstruction, James Lau and Shawn Harrington, November 4-6, 2025.

Fundamentals of Vehicle Dynamics, Thomas D. Gillespie, Online Course, January 2, 2022.

Photogrammetry and Analysis of Digital Media, William Neale and Toby Terpstra, Troy, MI, June 26-28, 2019.

Reconstruction and Analysis of Motorcycle Crashes, Lou Peck and Stein Husher, El Segundo, CA, October 16, 2018.

Reconstruction and Analysis of Rollover Crashes of Light Vehicles, Gray Beauchamp, El Segundo, CA, October 15, 2018.

Applying Automotive EDR Data to Traffic Crash Reconstruction, Richard Ruth, Troy, MI, November 29-December 1, 2017.

Vehicle Crash Reconstruction Methods, R. Matthew Brach and Raymond M. Brach, Mesa, AZ, November 2-4, 2015.

MEA Forensics

PC-Crash - Using EDR Data, Dr. Andreas Moser, DSD Linz Austria, and Brad Heinrichs, Online Webinar, April 22, 2021.

PC-Crash - Fundamental, New Features and Advanced Features Live Training, Dr. Andreas Moser, DSD Linz Austria, and Brad Heinrichs, MEA Forensic, Vancouver, BC, September 14-16, 2016.

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2021 Video Evidence Training Symposium, Andrew Fredericks, et al., Online Webinar, March 22-25, 2021.

2021 Video Evidence Training Symposium - Hands-on Workshop, Brandon Wahl, CFVT, Online Webinar, March 18, 2021.

Accident Investigation & Reconstruction Specialists, Inc.

At Scene Traffic Collision Investigation (I), Fountain, CO, May 18-22, 2015.

Collision Safety Institute

Bosch Crash Data Retrieval (CDR) System® Technician Course, Parker, CO, December 11-12, 2014.