



# EXPLICO

## CONNOR SMITH

*Traffic Accident Reconstruction*

### EDUCATION

**UNIVERSITY OF NEBRASKA - LINCOLN**  
■ BS, Mechanical Engineering, 2010

### LICENSES & CERTIFICATIONS

- Traffic Accident Reconstructionist, Accreditation Commission for Traffic Accident Reconstruction (ACTAR)
- Remote Pilot, Small Unmanned Aircraft System Rating, Federal Aviation Administration (FAA)
- Engineer Intern, State of Nebraska (EI-9141), 2010
- Crash Data Retrieval (CDR) System ® - Technician Level I and II
- SAE Accident Reconstruction Certificate

### AFFILIATIONS

- Society of Automotive Engineers (SAE)
- Washington Association of Technical Accident Investigations (WATAI)

### PROFESSIONAL PROFILE

Connor Smith has over 8 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, 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 Photogrammetry

### CONTACT INFORMATION

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## EXPERIENCE

- **Explico**  
Managing Accident Reconstructionist | Senior Accident Reconstructionist — 2022-Present
- **Luminous Forensics, LLC**  
Technical Director — 2021  
Senior Accident Reconstructionist — 2019-2021
- **Kineticorp, LLC**  
Engineer — 2014-2019  
Engineering Intern — 2010
- **Zachry Engineering Corporation**  
Engineer II — 2014  
Engineering I — 2012-2014
- **Altec Industries**  
Manufacturing Engineer — 2011-2012

## PEER-REVIEWED PUBLICATIONS

Rose, N., Palmer, J., Smith, C., Carter, N., et al., "Decelerations of Capsized Motorcycles - An Update," SAE Technical Paper 2022-01-0823, 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.

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## PROFESSIONAL DEVELOPMENT

- **LAW ENFORCEMENT AND EMERGENCY SERVICES VIDEO ASSOCIATION INTERNATIONAL, INC. (LEVA)**  
*LEVA Level 1: Forensic Video Analysis & the Law*, San Jose, CA, October 17-21, 2022.
- **SOCIETY OF AUTOMOTIVE ENGINEERS**  
*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 FORENSIC**  
*PC-Crash – Using EDR Data*, Dr. Andreas Moser, DSD Linz Austria, and Brad Heinrichs, Online Webinar, April 22, 2021.  
*PC-Crash – Fundamentals, New Features and Advanced Features Live Training*, Dr. Andreas Moser, DSD Linz Austria, and Brad Heinrichs, MEA Forensic, Vancouver, BC, September 14-16, 2016.
- **INPUT-ACE**  
*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.
- **COLORADO DEFENSE LAWYERS ASSOCIATION**  
*CDLA Mock Trial Academy*, Greenwood Village, CO, February 21-23, 2019.
- **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.