

# CONNOR SMITH

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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)

SAE Accident Reconstruction Certificate

Certified Forensic Video Technician  
(LEVA)

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

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

## PROFESSIONAL PROFILE

*Mr. Connor Smith* has ten 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

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## EXPERIENCE

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### Explico

2022 - Present      *Managing Accident Reconstructionist | Senior 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*

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## PEER-REVIEWED PUBLICATIONS

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Palmer, J., Rose, N., Smith, C., Hashemian, A., and Walter, K., "Validation of the PC-Crash Single-Track Vehicle Driver Model for Simulating Motorcycle Motion," SAE Technical Paper, *Forthcoming*.

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.

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## PRESENTATIONS AND COURSES TAUGHT

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

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## PROFESSIONAL DEVELOPMENT

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### Washington Association of Technical Accident Investigators (WATAI)

*WATAI 2023 Fall Conference, October 11-12, 2023.*

### 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.*

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

### 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 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.*

### iINPUT-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.*