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Curriculum Vitae

Eric Hunter, P.E.

Accident Reconstructionist

OVERVIEW

Mr. Hunter is a licensed Professional Mechanical Engineer in the States of Arizona and Washington. He holds a Bachelor of Science in Industrial Engineering Technology from Western Washington University. Eric Hunter has been working in the field of accident analysis and reconstruction since 2000. He has testified as an expert in accident reconstruction and has been teaching in the field since 2008.

Eric Hunter has extensive experience conducting inspections involving heavy trucks, passenger vehicles, motorcycles, bicycles, as well as other industrial motorized vehicles and equipment. Utilizing advanced simulation software, Mr. Hunter is able to analyze complex 3-dimensional accidents and create scientifically accurate reconstructions.

Mr. Hunter is qualified to download and analyze all types of Event Data Recorders and has been doing so since 2004.

Eric Hunter has taught accident reconstruction for the Washington State Patrol, various other law enforcement agencies, various associations and is currently an instructor for the HVE simulation software. He has been teaching at the annual HVE forum since 2018. Mr. Hunter has been a guest instructor for the University of Washington and the Seattle University School of Law.

EDUCATION

- 1999 **Western Washington University** – Bellingham, WA
Bachelor of Science, Industrial Engineering Technology (BSIET)
- 2006 **Arizona State University** – Tempe, AZ
Mechanical Engineering Courses

ACCREDITATIONS AND CERTIFICATIONS

- 2008 **Crash Data Retrieval (CDR) Technician**
Retaken 2009, 2011
- 2009 **Crash Data Retrieval (CDR) Advanced Technician**
- 2008 **Crash Data Retrieval (CDR) Data Analyst**
Retaken 2009, 2011, 2017, 2019
- 2008 **Professional Engineer (P.E.)** – Arizona State
Mechanical – License #47665
- 2011 **Professional Engineer (P.E.)** – Washington State
Mechanical – License #48409

Hunter 20260315

EMPLOYMENT HISTORY

Jan. 2026 - **Investigative Training Service** -Oceanside, CA
Accident Reconstructionist

Jan. 2024 - **JS Forensic Consulting, LLC** – Encinitas, CA
Jan. 2026 *Accident Reconstructionist*

Accident Reconstructionist with extensive experience conducting reconstructions and inspections involving heavy trucks, passenger vehicles, motorcycles, bicycles, as well as other industrial motorized vehicles and equipment. Advanced 3-dimensional simulation of complex accidents. Imaging and analysis of all types of Event Data Recorders.

Teacher of accident reconstruction topics including HVE simulation software.

Mar. 2008 - **Investigative Training Service** – Seattle, WA
Dec. 2023 *Accident Reconstructionist*

Accident Reconstructionist with extensive experience conducting reconstructions and inspections involving heavy trucks, passenger vehicles, motorcycles, bicycles, as well as other industrial motorized vehicles and equipment. Advanced 3-dimensional simulation of complex accidents. Imaging and analysis of all types of Event Data Recorders.

Teacher of accident reconstruction topics including HVE simulation software.

July 2000 - **Collision Engineering Associates, Inc.** – Mesa, AZ
Feb. 2008 *Accident Reconstructionist*

Accident Reconstructionist with extensive experience conducting reconstructions and inspections involving heavy trucks, passenger vehicles, motorcycles, bicycles, as well as other industrial motorized vehicles and equipment. Advanced 3-dimensional simulation of complex accidents. Imaging and analysis of all types of Event Data Recorders.

PUBLICATIONS AND PRESENTATIONS

- Vega, H., Ngo, J., Hatab, Z., Cornetto, A., Engleman, K, Hunter, E., “Speed Determination Using Audio Analysis of Dash Camera Video from Passenger Vehicle Tires Frequencies for Vehicle Accident Reconstruction”, SAE Technical Paper 2025-01-8682
- Hunter, E., “Application and Use of Linear Interpolation Models: A Case Study,” HVE WP2016-1, 2016
- Grimes, W., Balasa, J., Hunter, E., Stevens, D., “Analyzing The Trip-Phase of Soft-Soil Rollovers,” SAE Technical Paper 2006-01-1558, 2006
- Grimes, W., Balasa, J., Hunter, E., Vadnais, T., “Extracting Tire Model Parameters from Test Data,” SAE Technical Paper 2006-01-1399, 2006
- Grimes, W., Hunter, E., “Extracting Tire Model Parameters From Test Data,” HVE WP2001-4, 2001

PROFESSIONAL MEMBERSHIPS

- Southwestern Association of Technical Accident Investigators (SATAI)



CONTINUING EDUCATION

- PC-Crash 15.1 Training with Andres Moser, Impact Model, Collision Optimizer & Advanced Optimizer, Video Matching & Tracking, EDR Evaluations, EES-CNN, Active Safety Programming, GPS Data – April 4th & 5th 2026
- The HVE Forum 2026
- California Superbike School, Level 1 & 2, The Ridge Motorsports Park, Shelton, Washington – July 8th & 9th 2025.
- The HVE Forum 2025
- Part 107 Remote Pilot License Certificate Number 5058818 – Issue Date 9/12/2024
- NAPARS Joint Conference 2024, Trailer Stability, Video Analysis, Scanning for Collision Reconstructionists, EDR Update (Rick Ruth), Traffic Signal Light Timings, Tire Exams and Commercial Vehicles
- The HVE Forum, 2024
- Recon-3D Training with Eugene Liscio, September 2023
- World Reconstruction Exposition 2023 (WREX 2023), Orlando FL, 2023
- The HVE Forum 2023
- Interactive Driver Response Research (IDRR), Training with Dr. Jeff Muttart and Swaroop Dinakar, November 2022
- WATAI Fall Conference 2022, - Traffic Signal Light Timing, 2022
- Motorcycle Collision Reconstruction, Lightpoint Scientific, June 2022
- The HVE Forum 2022
- Recon-3D iPhone LIDAR 4 Forensics Webinar – Scanning Methods and Best Practices
- WATAI Fall Conference 2021, Nighttime Recognition, Distracted Driving & Human Factors in Auto Accidents, 2021
- WATAI Spring Conference 2021, GPS and ECM Data, 2021
- The HVE Forum 2021
- Cloud Compare, November 2020
- The HVE Forum, 2020
- PC-CRASH 12.0 Workshop, Seattle, WA, August 2019
- The HVE Forum, 2019
- WATAI Fall Conference 2018, Crash tests and momentum from crash tests, 2018
- WATAI Spring Conference 2018, Use of video evidence, 2018
- The HVE Forum, 2018
- FARO Laser Scanning Training, Mesa, AZ, 2017
- WATAI Fall Conference 2016, Use of PC-CRASH and HVE Simulation Software, 2016
- FARO Laser Scanning Training, Kirkland, WA, 2016
- World Reconstruction Exposition 2016 (WREX 2016), Orlando, FL, 2016
- The HVE Forum, 2016
- ARC-CSI Crash Conference, June 2014
- The HVE Forum, 2013
- CAARS Conference, Motorcycle Crash Tests, Glance Patterns, Rider Behavior and Slide Data, November 2012
- The HVE Forum, 2012
- PC-CRASH Version 9.1 “Expert Topics in PC-CRASH”, July 2012
- WATAI Spring Conference 2011, Pole impacts, low speed impacts, fraud investigations, 2011
- REC-TEC Truck 2011 Seminar, 2011
- The HVE Forum, 2011
- The HVE Forum, 2010
- WATAI Crash Conference, Staged Crash Testing, 2009



- Heavy Truck Inspection Training, Ron Heusser, August 2009
- The HVE Forum, 2009
- FARO Fall Seminar, ECM Downloads, 2008
- WATAI Fall Conference, Heavy Truck Reconstruction Forum. Brake systems DOT Regulations; Lighting; Driver's Logs; Load Securement; Out-Of-Service Criteria; Wheel Failure Analysis, October 2008
- PC-CRASH Version 8.1 "Expert Animations Workshop (PCCRASH)", August 2008
- PC-CRASH Version 8.1 "The Essentials of PCCRASH Workshop", August 2008
- *iWitness* Close Range Photogrammetry Training, Photometrix Pty Ltd., 2007
- SATAI Summer Conference, 2006
- The HVE Forum, 2006
- Advanced Case Studies using HVE, The HVE Forum, 2006
- Institute of Police Technology and Management, CDR Tool – User Certification Course, 2004
- SATAI Spring Conference, 2003
- Traffic Accident Reconstruction 1, Northwestern University Center for Public Safety, 2002
- Engineering Dynamics Corporation Reconstruction Course, EDC, 2002
- Accident Investigation 2, Northwestern University Center for Public Safety, 2001
- Accident Reconstruction TOPTEC, SAE, 2001
- The HVE Forum, 2001
- Theoretical and Applied Vehicle Dynamics, EDR, 2001
- Engineering Dynamics Corporation Simulations Course, EDC, 2001
- World Reconstruction Exposition 2000 (WREX 2000), 2000

TEACHING EXPERIENCE

- Engineering Dynamics Company HVE Forum 2026, Savannah, GA – March 2 – 6, 2026 – Instructor (Fundamentals of HVE I, II, III, IV, V) – Presentation on Pole Impact Using SIMON.
- Motorcycle Collision Reconstruction – August 25 – 28, 2025 – Co-instructor with Louis Peck, PE.
- Engineering Dynamics Company HVE Forum 2025, Savannah, GA – March 3 – 7, 2025 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- Engineering Dynamics Company HVE Forum 2024, Berkeley, CA – March 4 – 8, 2024 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- Seattle University School of Law, April 2023, Guest Instructor
- Engineering Dynamics Company HVE Forum 2023, Fort Myers, Florida – February 20 – 24, 2023 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- Seattle University School of Law, April 2022, Guest Instructor
- Engineering Dynamics Company HVE Forum 2022, Virtual – February 21 Thru March 2, 2022 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- Engineering Dynamics Company HVE Forum 2021, Virtual – February 22 Thru March 3, 2021 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- University of Washington Private Investigators Course - Collision Analysis Training – October 22 & 27, 2020.
- Engineering Dynamics Company HVE Forum 2020, Austin, Texas – February 24 – 28, 2020 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- University of Washington Private Investigators Course - Collision Analysis Training - April 9, 2019.
- Engineering Dynamics Corporation HVE Forum 2019, Las Vegas, Nevada – February 25 – March 1, 2019 – Instructor (Simulation Fundamentals I, II, III, IV, V, 3D Editor: Functionality, Friction Zones & Importing Models, Simulation Movies: HD Video Output)



- University of Washington Private Investigators Course - Collision Analysis Training - April 10, 2018.
- Engineering Dynamics Corporation HVE Forum 2018, Charleston, South Carolina – February 12 – 16, 2018 – Instructor (Simulation Fundamentals I, II, III, IV, V)
- University of Washington Private Investigators Course - Collision Analysis Training - April 12, 2017.
- WATAI Fall Conference 2016 – Guest speaker on the use of PCCrash and HVE Simulation Software
- HVE-2D Training Snohomish Police Department – Seattle, Washington – July 2016.
- University of Washington Private Investigators Course - Collision Analysis Training - April 12, 2016.
- University of Washington Private Investigators Course - Collision Analysis Training - April 28, 2015.
- University of Washington Private Investigators Course - Collision Analysis Training - April 15, 2014.
- Technical Crash Training – WSP Marysville – Analytical Procedure – Motorcycle Collision Investigation – Testing of Motorcycle deceleration – September 25, 2013.
- University of Washington Private Investigators Course - Collision Analysis Training - April 16, 2013.
- WATAI Fall Conference - Crush Energy Training - October 18, 2012.
- Collision Scene Photography Webinar - WSTIP - Olympia - October 17, 2012.
- University of Washington Private Investigators Course - Collision Analysis Training - April 3, 2012.
- Washington State Patrol Academy - Collision Reconstruction Training - October 2011 - Shelton, WA.
- Washington State Patrol CID - Crush Analysis Class - September 26 - 28, 2011 - Moses Lake, WA.
- University of Washington Private Investigators Course - Collision Analysis Training - April 5, 2011.
- HVE-CSI Training Washington State Patrol - Marysville CID - Marysville, Washington - November 2010.
- Forensic Accident Reconstructionists of Oregon (FARO) Motorcycle Crash Analysis Training; CDR Analytical Application in Accident Reconstruction Training – Hillsboro, Oregon – October 2008.
- Washington State Patrol Motorcycle Crash Analysis Training – Bremerton, Washington – June 2008.
- Washington State Patrol Motorcycle Crash Analysis Training – Bothell, Washington – May 2008.

