

**A C C R E D I T E D   A C C I D E N T   R E C O N S T R U C T I O N I S T**

## **CURRICULUM VITAE**

### **SPECIALIZED EXPERIENCE**

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- Collision/Impact Severity “Delta V”
- Sight & Visibility Analysis
- Time/Distance Analysis
- Commercial Vehicle Accidents
- Skidmark Analysis
- Lamp Examinations
- Vehicle Dynamics
- Forensic Mapping – with Robotic Total Station
- Air Brake Analysis
- Motor Vehicle /Pedestrian Analysis
- Animations
- Roll-over Accidents
- Mechanical Failure Analysis
- Seat-belt Usage Analysis
- Driver Identity Analysis (to determine vehicle driver)
- Dynamic Analysis of Tractor / Trailer Accidents
- High Resolution Courtroom Exhibits
- Commercial Drivers License (CDL) with Endorsements for Doubles, Triples and Tankers

### **EDUCATION AND TRAINING**

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- Bachelor of Science (B.S.) Degree in Industrial Technology - Texas State University (Formerly Southwest Texas State) San Marcos, Texas. May 1997
- Successfully completed the examination for the Accreditation Commission for Traffic Accident Reconstruction (ACTAR), an 8 hour exam designed to qualify experienced accident reconstructionists on an international basis. This commission is sponsored by all professional accident reconstruction organizations in North America. ACTAR # 2068, December 2008
- ARAS360 Advanced 3d Computer Diagramming – Jan. 4-6, 2011 (24 hrs)
- Advanced Auto Pedestrian Collision Reconstruction (IV) – North Las Vegas, NV, November 2010 (40 hrs)
- 2011 SATAI Spring Conference – March 11-12<sup>th</sup>, 2011 (Detail on last page)(8 hrs)
- 2010 ARC-CSI Crash Conference – May 24-27, 2010 (Detail on last page) (28 hrs)
- 2009 SATAI Summer Conference – July 10-11<sup>th</sup>, 2009 (Detail on last page)(16 hrs)
- 2009 ARC-CSI Crash Conference – June 1-4, 2009 (Detail on last page) (32 hrs)
- ACTAR Preparatory Course, SSR Training, Natick, MA – Oct. 6-9, 2008 (32 hrs)
- 2008 ARC-CSI Crash Conference – June 2-5, 2008 (Detail on last page)(32 hrs)
- Leica Scan Station Training - Training on the Leica Scan Station 1 and corresponding Cyclone software. Long Beach, CA, October 2007 (16 hrs)
- Vehicle Accident Reconstruction Methods, SAE Intl., Detroit, MI, Aug. 2005 (16 hrs)
- Conducting Vehicle Handling Maneuvers - Hands-on training course with Doug Milliken, Carson City, NV, June 2005 (16 hrs)

- Heavy Truck Handling Symposium, SAE Intl., Greenville SC, May 2005 (24 hrs)
- Passenger Vehicle Rollover, Causes, Prevention and Injury Prevalence, SAE International, Scottsdale, AZ, April 2002 (16 hrs)
- Vehicle Dynamics for Passenger Cars and Light Trucks, SAE International, Detroit, MI, June 2001 (24 hrs)
- Hydraulic Brake Systems, SAE Intl., February 2001 (24 hrs)
- Commercial Vehicle Inspection / Investigation, Texas A&M University, Houston, TX, October 1999 (40 hrs)
- Accident Investigation II, Northwestern University, Evanston, IL, Oct. 1998 (80 hrs)

#### AFFILIATIONS AND PUBLICATIONS

- “Recent Advancements in Crash Animations Make Them Affordable”, April 2012, Attorney at Law Magazine
- “Evaluation of Motorcycle Braking System Performance & Characteristics Relative to Current Regulatory Standards” July/Aug 2010, Accident Reconstruction Journal
- “A Discussion on Using a Pendulum as a Method for Impact Testing Vehicle Sub-systems” SAE 2002-01-0687
- Member, Society of Automotive Engineers (SAE)
- Member, Accident Reconstruction Network (ARC Network)
- Member, Southwestern Association of Technical Accident Investigators (SATAI)
- Member, International Network of Collision Reconstructionists (INCR)

#### PROFESSIONAL WORK EXPERIENCE

2004 – PRESENT

**OWNER / OPERATOR – EXHIBIT-A, LLC**  
**DBA CRASHTEAMS LAS VEGAS**

Dedicated to providing high-quality, high-accuracy motor vehicle crash analysis in a timely and cost-effective manner.

Perform manual and computer-aided accident reconstructions, speed/time/distance analysis, vehicle dynamics, product defect investigation and testing and causation-avoidance prevention. Develop vehicle crush profiles for crush energy calculations. Accomplish line-of-sight determination. Locate and document exemplar vehicles. Utilize the latest technology to collect accident site geometric data and physical evidence for use in constructing detailed renderings of accident scenes and vehicle damage profiles for impact severity.

Perform full vehicle performance testing in accordance with SAE, FMVSS, ISO, FMCSR and ASTM for passenger car, light truck, heavy truck and motorcycle. Design custom tests suitable for replicating specific crash related events.

2000 – 2009

**CONSULTANT / PROGRAM MANAGER**

NEVADA AUTOMOTIVE TEST CENTER

Perform vehicle stability and handling evaluations including end-limit maneuvers and roll-over determination on passenger cars, light trucks and commercial vehicles. Analyze vehicle static and transient response through subjective and objective evaluations. Accomplish complete accident reconstructions including site and vehicle inspections, analysis, documentation and final reports. Responsible for proposal writing, test planning, instrumentation, testing, data processing, analysis and final reports for vehicle tests. Driver training instructor for 2 and 4-wheel drive light trucks and class 8 heavy trucks.

1997 – 2000

**ACCIDENT ANALYST – VERIFACT CORPORATION**

Conduct accident investigation and reconstruction through deciphering roadway evidence, electronic site surveys, vehicle damage inspections, accident diagrams, analysis and final reports. Accomplish analysis in the areas of: linear and rotational momentum, speed determination from tire marks and/or crush, work, force and speed change "delta-V". Performed failure analysis including: structural, electrical, drive train and suspension. Performed static loading and dynamic impact tests on vehicles and components.

**SYNOPSIS**

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Mr. Terry has extensive knowledge and experience in the areas of accident reconstruction and vehicle dynamics. He has been involved in the documentation, analysis, or reconstruction of over 500 hundred vehicle accidents. His experience includes the most advanced methodology for forensic scene mapping, line of sight studies, time and motion analysis, speed/distance analysis and rollovers. Mr. Terry has extensive vehicle knowledge with expertise in all vehicle systems including air brakes, lamp examination, tire analysis and seat belt loading. Additionally, he operates as vehicle dynamics consultant performing vehicle stability and handling maneuvers on motorcycles, passenger cars, light trucks, class 5, 6, 7 and 8 trucks.

Mr. Terry has instructed numerous driver training classes for the Department of Homeland defense, US Marine Corps and the US Army including on and off-road handling and mobility classes on 2 and 4-wheel drive SUV and specialty use vehicles. Additionally, Mr. Terry has instructed driver training classes for stability and handling of Class-8 heavy-trucks.

CURRICULUM DETAIL – SEMINARS & CONFERENCES

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- **2011 SATAI Spring Conference – March 11-12<sup>th</sup>, 2011**
  1. Rollover Reconstruction
  2. Current Topics in Low Speed Reconstruction & Biomechanics
  
- **2010 ARC-CSI Crash Conference – May 24-27, 2010**
  1. Low Speed Crash Analysis
  2. Motorcycle Accident Reconstruction
  3. Commercial Motor Vehicle Forensic Inspection for the Reconstructionist
  4. PDOF and Angle Development Over Time
  5. Impact Speed and Post-Collision Speedometer Readings
  6. Conspicuity Sheeting, Retro Reflective Tape Wear
  7. Accelerometers and other Devices used for Skid and other testing
  8. GPS – The Overlooked EDR
  9. Using Motion Equations in Accident Reconstruction
  10. Onstar & Automatic Crash Response
  11. Find Speed and Acceleration from Video
  
- **2009 SATAI Summer Conference – July 10-11<sup>th</sup>, 2009**
  1. MADYMO dummy simulation software for Accident Reconstruction
  2. Biomechanical Analysis of Rollover Crashes
  3. Seat Belts in Rollover Crashes
  
- **2009 ARC-CSI Crash Conference – June 1-4, 2009**
  1. Evaluating Nighttime Response
  2. Optics, Lighting & Visibility for the Forensic Investigator
  3. Estimation of Vehicle Speed & Trajectory Based on Video from a Vehicle-Mounted Camera
  4. Commercial Vehicle Dynamics Factors in Collision Reconstruction
  5. Death Investigations & Their Psychological Effect on Police Officers and Reconstructionists
  6. Accuracy of Critical Speed Formula (CSF) When Applied to Yaw Marks Leading to Rollovers of SUVs
  7. Braking Efficiency of Motorcycles
  8. A Common Sense Approach to Explaining Real World Acceleration Values
  9. Human Factors Testing
  10. Air Brake Fundamentals & Advanced Technology plus Air Brake Performance
  
- **2008 ARC-CSI Crash Conference – June 2-5, 2008**
  1. New Vehicle Technologies and Their Relationship to Proper Crash Reconstruction Techniques
  2. Momentum and Energy: a Code 3 Case Study
  3. Judkins Law And it's Applications To The Human Factors Of Collision Avoidance And Witness Recall
  4. The introduction of close-range photogrammetry as a routine accident reconstruction tool
  5. Video Applications in Crash Reconstruction
  6. Reconstruction of Precision Immobilization Technique (PIT)
  7. Engine Idle Acceleration
  8. Current trends in Ped Crash Reconstruction
  9. Airborne Analysis with Rotational Mechanics