

Dennis L. O'Brien

Senior Traffic Crash Reconstructionist
& Forensic 3D Animator

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CURRICULUM VITAE

Profile

Senior Collision Reconstructionist with 18 years law enforcement experience and certified through the best schools available. State and Federal court qualified and accepted expert in the field of traffic crash reconstruction. Forensic 3D animator of both motor vehicle collisions and crime scenes.

Experience

Senior Traffic Crash Reconstructionist & Forensic 3D Animator

Crashtteams NEW MEXICO, Santa Fe, NM 2008 - Present

Applying eighteen years of knowledge and experience as a responder and investigator of motor vehicle collisions. First hand experience locating, interpreting and processing physical evidence with state of the art equipment for use in accident reconstruction. Court accepted expert in the field of traffic accident reconstruction. 3D Animations prepared for presentation in all areas of litigation.

Traffic Crash Reconstructionist, IMPACT DYNAMICS; Santa Fe, NM - 1998 - 2008

Traffic crash reconstruction services provided as described above.

Lieutenant, Santa Fe County Sheriff's Office; Santa Fe, NM - 1994 - 2009

Division commander of Traffic Homicide Investigation Team, Patrol and K-9 Divisions. I served as a patrol officer and initial responder to all types of crime, motor vehicle collisions, airplane crashes and industrial accidents. I assisted both State and Federal Law Enforcement Agencies with specialized investigation and processing techniques for prosecution of crimes.

Police Officer, San Juan Tribal Police Department; San Juan Pueblo, NM 1991 - 1994

Full Police Officer duties on the San Juan Pueblo Indian Reservation. Federal Police Officer Certification was obtained with training in motor vehicle crash investigations. I responded to all types of activations, including crime and motor vehicle collisions.

Advanced Training/Certifications & Education

Northwestern University Traffic Institute, NM Law Enforcement Academy;
Santa Fe, NM - 1995; **At-Scene Accident Investigations Course**

University of North Florida - Institute of Police Technology & Management
Jacksonville, Florida - 1997; **Advanced Traffic Accident Investigation**

CURRICULUM VITAE - CONTINUED

University of North Florida - *Institute of Police Technology & Management*
Jacksonville, Florida - 1997; **Traffic Accident Reconstruction**

University of North Florida - Institute of Police Technology & Management
Santa Fe, New Mexico - 1997; **Pedestrian & Bicycle Accident Investigation**

University of North Florida - Institute of Police Technology & Management²
Jacksonville, Florida - 1998; **Special Problems in Traffic Accident Reconstruction**

University of North Florida - Institute of Police Technology & Management
Peabody, Massachusetts - 2001; **Applied Physics for Traffic Crash Investigators**

National Training Center; North American Standard Level I
Albuquerque, NM; **Commercial Vehicle Safety Alliance Inspector Certification**

Collision Safety Institute - CSI Crash Data Retrieval Specialist
El Paso, Texas - 2009; **Bosch/Vetronix Crash Data Retrieval (CDR) Technician Course**

Collision Safety Institute - CSI Crash Data Retrieval Specialist
El Paso, Texas - 2009; **Bosch/Vetronix Crash Data Retrieval (CDR) Data Analyst Course**

EOS Systems Photomodeler - Photogrammetry Software Tool
Chicago, Illinois - 2009; **Photomodeler Certification Course**

Espanola Valley High School - Espanola, NM; Graduate 1991

Federal Police Officer Certification - Federal Law Enforcement Training Center (FLETC) - 1993

New Mexico Law Enforcement Officer Certification - NM Law Enforcement Academy - 1995

~ Other Training / Certifications obtained and available upon request~

Professional Associations

National Association of Professional Accident Reconstructionist Specialists, Inc. (NAPARS)
Member #34100

The Accreditation Commission for Traffic Accident Reconstruction (ACTAR)
Member #2218

CURRICULUM VITAE - CONTINUED

Skills

First hand experience of in-depth evidence identification, processing and collection of evidence from 18 years of “on-the-scene” crash and crime forensic analysis. Major crime scenes measured, mapped and processed in detail for articulation in a court of law.

Experienced Forensic 3D Animator with state of the art software for the best graphics and media available for video and still image presentation. Crashteam NEW MEXICO prepares quality animations for any scenario. Rendered to DVD or other media for immediate display during litigation.

Professional Activities

Crashteam National Conference
Las Vegas, NV - March 2010

ARAS 360 ° - Active 3D software resource and product consultant to the development team.

ARAS is a state of the art 3D Traffic Accident Reconstruction & 3D Animation software program for use by investigators and law enforcement officers worldwide.
Las Vegas, NV March 2010

Vista FX3 - Collision Reconstruction & 3D Animation Software Trainer
Former Accident Reconstruction Software Trainer for VS Visual Statement FX3, total station laser mapping system and m-Fx data collection software for total station
2004 - 2009

Venues Testified at Trial

First Judicial District Court, Santa Fe, NM
Second Judicial District Court, Albuquerque, NM
United States Federal Court - District of New Mexico, Albuquerque, NM

3D Animation Debuts & Venues

CBS Television Show “Inside Edition”
Episode titled “Falling Ice Nearly Kills Driver” - Air Date: 1/11/2010
Animation prepared and aired by producers to show the ice projectile fall into the path of driver and cause major injury.

Las Vegas, NV - Vehicle v. Pedestrian Collision Animation - 2010

Alamogordo, NM - Fatal Motor Vehicle Collision Animation - 2005

CURRICULUM VITAE - CONTINUED

Alamogordo, NM - Homicide Crime Scene Animation - 2009

Albuquerque, NM - Serious Injury Head-on Collision - 2007

Santa Fe, NM - Vehicle v. Bicycle Collision Animation - 2010

Albuquerque, NM - Rear-end collision - 2009

Santa Fe, NM - Bus v. Pedestrian Collision Animation - 2010

Referrals

References are available upon request