



FORENSIC CRASH SPECIALISTS & 3D ANIMATION EXPERTS

Gregory L. Witte

ACTAR # 2340

Traffic Crash Reconstructionist, Photogrammetrist,

Forensic 3D Computer Collision Simulator & 3D Animator



CURRICULUM VITAE

Profile

I am a certified Accident Reconstructionist with 28 years of experience investigating traffic collisions, including 20 years of full time law enforcement experience. Certifications held from the most reputable schools available. Local, County and State court qualified in the field of traffic crash reconstruction.

Experience & Work History

Owner – Forensic Crash Specialists, 2016 - Present

Forensic Crash Specialists Monroe, NY 10950

Applying thirty four 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. Local, County, State & Federal Court accepted expert in the field of traffic crash reconstruction. 3D animations and graphics are prepared for presentation and use in all areas of litigation. 24 hour active scene response to motor vehicle collisions to preserve and document evidence. Serve as consultant to attorneys in both the civil and criminal court systems.

Owner - Crashteam Lower Hudson Valley – NY, 2009 - 2016

Crashteam Lower Hudson Valley – NY, Monroe, NY 10950

Traffic Crash Reconstruction and 3D impact simulation and animation services provided as a member of the Crashteam Global Network. Services included active scene response to conduct active crash site investigations and forensic processing across the Tri-State area.

Owner – Welnc Investigations, 2010 - Present

Welnc Investigations, Monroe, NY

Licensed and Bonded – New York State License # 11000170231

Conduct all types of investigations requested in the private sector.

Police Officer – Village of Suffern Police Department, Suffern, NY 2011 – Present – Part Time

Assigned to Accident Reconstruction Investigations

Police Officer, Monroe Police Department, Monroe, NY 10950, 1990 – 2009 (Retired)

: DETECTIVE, January 1999 – May 2000

- ACCIDENT INVESTIGATOR RECONSTRUCTIONIST, 2000 – 2009

: TEAM LEADER – S.W.A.T., 2003 – 2009

: AGENCY EMERGENCY MEDICAL COORDINATOR

: EMERGENCY MEDICAL TECHNICIAN

: NEW YORK STATE TRACS INSTRUCTOR & COORDINATOR

- Served in many capacities throughout my career. Successfully lobbied the New York Hudson Valley Regional Emergency Medical Service Council to obtain certification for the Monroe Police Department to provide Emergency Medical Service and was the first in Orange County, NY. Served as a committee member for the Orange County Technology Committee. Supervised all technical aspects of the police departments operations.

: Earned the Monroe Police Department Dedication Award

: Recognized at the New York State DWI enforcement diner

Police Officer, Town of Woodbury Police Department, Woodbury, New York, 1989-1990

Obtained certification as a New York State Police Officer. Primary duties were the enforcement of New York state laws, local laws, patrol and investigations.

Self Employed, Owner-Operator of Witte Enterprises Inc. – 2006 – Present

Sterling Forest Fire Department, Tuxedo Fire Distract, Tuxedo, NY – 1984 – 1996

: Lieutenant – Supervisor of fire scenes and training officer

: Engineer – Responsible for the maintenance of equipment

- Responded to all types of fire department related calls for service. Proficient in pump operations, interior firefighting, rescue operations, vehicle extrication, wildlands search & rescue, hazards materials, command operations.

National Forestry Service Fire Brigade, 1989-1996

National forest firefighter which respond to fires throughout the United States

Tuxedo Ambulance Cops, Tuxedo, New York, 1987-1989

Responded to all calls for Emergency Medical Service.

Certified Emergency Medical Technician.

New York State Department of Conservation Forest Fire Brigade, 1985 - 1996

Responded to all forest fire/brush fires when activated by the New York State Forest Rangers.

: Fire Warden, 1988 – 1996 – Responsible for fire crew assignments and safety.

: Line Forman, 1985 – 1988 – Responsible for fire line operations

Advanced Crash Investigation Training:

Rich Consulting LLC – Morris County Police Academy

Morristown, NJ – ***Excel for Traffic Crash Reconstruction, 2017 (24 hrs)***

University of North Florida - Institute of Police Management and Technology (IPTM)

Jacksonville, FL – ***Post Crash Forensic Mechanical Inspection, 2017 (32 hrs)***

Maryland Crash Reconstruction Committee – Prince George’s County Police

Riverdale, MD – ***Crash Trauma & Biomechanics, 2017 (40 hrs)***

Lightpoint Scientific – Culver City, CA
Phoenix, AZ – **Advanced Photogrammetry for Collision Reconstruction, 2017 (40 hrs)**

Northwestern University – Center for Public Safety
Evanston, IL – **Advanced Crash Reconstruction Utilizing Human Factors, 2016 (40 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Somerset, NJ - **Event Crash Data Use in Traffic Crash Reconstruction, 2016 (40 hrs)**

New York Statewide Traffic Accident Reconstruction Society, IBM Watson Research Center;
Yorktown Heights, NY - **Roadside Barriers, 2016 (3 hrs)**

New York Statewide Traffic Accident Reconstruction Society, IBM Watson Research Center;
Yorktown Heights, NY - **Distracted Driving, 2016 (3 hrs)**

MEA Forensics Engineers & Scientists (MacInnis Engineering Associates, LTD)
Richmond, BC Canada (Online) – **PC-Crash Essentials Training Course, 3D Collision Simulation Tool, 2015 (3 hrs)**

MEA Forensics Engineers & Scientists (MacInnis Engineering Associates, LTD)
Richmond, BC Canada (Online) – **PC-Crash Analysis Training Course, 3D Collision Simulation Tool, 2015 (3 hrs)**

Pennsylvania State Police Collision Reconstruction Seminar **(24 hrs)**
State College, PA - **Occupant Kinematics, 2015**

- **Determining Vehicle Operator Fatigue in Accident Reconstruction, 2015**
- **Using EDR Delta-V to Calculate Closing/Impact Speeds, 2015**
- **Data Latency and Its Influence on EDR Speed at Impact, 2015**
- **CDR Update, 2015**
- **CMV Regulations on Obtaining Relevant Evidence in CMV Crashes, 2015**
- **Forensic Evidence from Traffic Crash Fatalities, 2015**
- **Human Factors – Nighttime Field Testing, 2015**
- **Crash Test and Data Analysis, 2015**

University of North Florida - Institute of Police Technology & Management (IPTM)
Jacksonville, FL - **Heavy Vehicle ECM Download and Analysis, 2014 (32 hrs)**

ARAS360 Technologies Inc.
Kamloops, BC Canada - **Aras 360 Reality Instructor Online Training Course, 2014 (16 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
St. Pete Beach, FL – **Special Problems, 2013 (37 hrs)**

Atlantic Laser Scanning Services
Orlando, FL - **FARO Scanner & Software Basic Training, 2013 (8 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Jacksonville, FL – **Special Problems, 2012 (30 hrs)**

- **Occupant Kinematics**
- **GPS Forensic Investigation**
- **Boating Accident Investigations**
- **Event Data Recorder Update**
- **Night & Low Light Digital Photography**
- **High Speed Pedestrian Fatality with EDR Data**
- **Alternate Fueled Vehicles**

University of North Florida - Institute of Police Technology & Management (IPTM)
Albany, NY - **Traffic Signal Design & Operations, 2012 (24 hrs)**

ARAS360 Technologies Inc.
Kamloops, BC Canada - **Aras 360 HD Crash Animation Instructor, 2012 (12 hrs)**

New York Statewide Traffic Accident Reconstruction Society (NYSTARS), (Northwestern) NYSP Academy
Albany, NY – **Accident Reconstruction Refresher, 2011 (15 hrs)**

New York Statewide Traffic Accident Reconstruction Society (NYSTARS), IBM Watson Research Center;
Yorktown Heights, NY - **Human Factors Evaluating a Nighttime Response, 2011 (7 hrs)**

Factual Diagrams
Anaheim, CA - **Accident Reconstruction Refresher, 2011 (24 hrs)**

ARAS360 Technologies Inc.
Kamloops, BC Canada - **ARAS360 Crash Animation Instructor, 2010 (40 hrs)**

EOS Systems Inc. – Photogrammetry Software Tool
Las Vegas, NV – **Photomodeler Collision Investigation Course, 2010 (40 hrs)**

Collision Safety Institute – CSI Crash Data Retrieval Specialists
Allentown Police Academy, Allentown, PA - **BOSH Crash Data Recorder Technician, 2009 (8 hrs)**

Collision Safety Institute – CSI Crash Data Retrieval Specialists
Allentown Police Academy, Allentown, PA - **BOSH Crash Data Analyst, 2009 (32 hrs)**

Crashteam Inc. Conference
Puerto Vallarta, Mexico - **Spin Analysis, 2009 (4 hrs)**

Crashteam Inc. Conference
Puerto Vallarta, Mexico - **Advanced Animation Drawing, 2009 (4 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Jacksonville, FL - **Motorcycle Crash Investigation, 2009 (40 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Jacksonville, FL - **Commercial Motor Vehicle Crash Investigation, 2009 (40 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Jacksonville, FL - **Energy Methods and Damage Analysis, 2009 (40 hrs)**

New York Statewide Traffic Accident Reconstruction Society (NYSTARS), IBM Watson Research Center;
Yorktown Heights, NY - **Court Preparation for the Crash Investigator, 2009 (8 hrs)**

New York Statewide Traffic Accident Reconstruction Society (NYSTARS), IBM Watson Research Center;
Yorktown Heights, NY - **Critical Curves/Roadways, 2006 (8 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Orange County Police Academy, Goshen, NY - **Pedestrian/Bicycle Crash Investigation, 2005 (40 hrs)**

Visual Statements, Inc. - New Rochelle Police Department
New Rochelle, NY - **Forensic Mapping, FX Crash Diagrams & 3D Animation, 2005 (40 hrs)**

University of North Florida - Institute of Police Technology & Management (IPTM)
Orange County Police Academy, Goshen, NY - **Accident Reconstruction, 2000 (80 hrs)**

New York Department of Criminal Justice Services (DCJS)
Rockland County Police Academy, Pomona, NY - **Interview & Interrogation, 1999 (16 hrs)**

New York Department of Criminal Justice Services (DCJS) – Northwestern University Instruction
Rockland County Police Academy, Pomona, NY - **Advanced Accident Investigator, 1998 (80 hrs)**

New York Department of Criminal Justice Services (DCJS) – Northwestern University Instruction
Rockland County Police Academy, Pomona, NY - **Accident Investigator, 1996 (80 hrs)**

Law Enforcement Certifications

New York Law Enforcement Officer Certification - NY Law Enforcement Academy – 1989
Rockland County Police Academy, Pomona, New York – Training included all aspects of police operations and investigation including basic accident investigation training.

Other Law Enforcement Training

License Plate Reader, 2008
Incident Command System, 2005
FBI S.W.A.T. Operator, 2004
Officer Survival, 2003
Incident Response to Terrorist Bombings, 2002
Tactical Active Shooter, 2002
Datamaster, 2001, 2004, 2005, 2007, 2009

Advance computer crime, 2001
Internet Crime Detection Techniques, 2000
Homicide Investigations, 2000
Cellular Phone Fraud, 1999
Internet Crime Investigations, 1999
HazMat Frist Responder, 1999
Interview & Interrogation, 1999
Background Investigation, 1999
N.I.K. Certification, 1997
Chief of Police Firearms Training, 1997
Domestic Violence, 1995, 1996
Blood Borne Pathogens, 1995, 1996
LoJack Operator, 1994
Justification, 1993
Breath Test Operator, 1993 – 2009
Smith & Wesson Identi-Kit, 1993
Robbery Investigations, 1992
Judgmental Firearms, 1991 – 2009
N.Y.S.P.I.N. Certified, 1991 – 2009
New York State Criminal History, 1991 – 2009
Police Management Supervisor, 1991
Sex Crimes Investigation, 1991
PR-24 Tactical Baton, 1990, 1992
Radar Operator, 1990 – 2009
Defensive Tactics Tactical Cuffing, 1989
Vehicle Identification & Theft, 1989
ICS 100, 200, 300, 800

Professional Associations

NAPARS - National Association of Professional Accident Reconstructionist Specialists, Inc.

NYSTARS – New York Statewide Traffic Accident Reconstruction Society - Member

INCR – International Network of Collision Reconstructionist

Skills & Experience

I have first-hand experience of in-depth identification, processing and collection of evidence from 27 years of “on-the-scene” crash and crime scene forensic analysis. I have processed and measured major crash and crime scenes in detail, utilizing manual, photogrammetry and laser mapping techniques. I prepare conventional scale scene maps & diagrams along with diagrams over aerial photos. I am an experienced Forensic 3D Diagrammer, Animator and Photogrammetrist. I use state of the art software to recreate the incident utilizing forensic scene processing data. The animations, simulations and graphics are rendered to video and other media for presentation in litigation.

Investigation Experience

- | | | |
|---------------------------|--------------------------|-------------------|
| : Pedestrian / Auto Crash | : Truck Crashes | : Bicycle Crashes |
| : Motorcycle Crashes | : Auto Crashes | : Internet Crimes |
| : Homicide | : Assault | : Burglary |
| : Larceny | : Drug Use / Trafficking | : Trip & Fall |
| : Zoning Code | : Ski Center Accidents | : Arson |

Professional Forensic Measurement & Mapping Trainer

ARAS 360 Technologies – Trainer, 3D Software Product Resource and Consultant

ARAS Reality, ARAS 360 & ARAS 360 HD are state of the art 3D Traffic Crash Reconstruction & 3D Animation software programs used by investigators and law enforcement officers worldwide
Served as a trainer from March 2010 – February 2015

Expert Court Venues Served

- Town of Monroe Justice Court, Monroe, New York
- Town of Chester Justice Court, Chester, New York
- Village of Monroe Justice Court, Monroe, New York
- Town of Tuxedo Justice Court, Tuxedo, NY
- Town of Clarkstown Justice Court, New City, New York
- Town of Woodbury Justice Court, Central Valley, New York
- Orange County Supreme Court, Goshen, New York
- Sullivan County Supreme Court, Monticello, New York
- Bergan County Superior Court, Hackensack, New Jersey
- Ulster County Supreme Court, Kingston, New York
- New York State Court of Appeals, White Plains, New York
- Rockland County Supreme Court, New City, New York
- Essex County Superior Court, Newark, New Jersey
- Duchess County Supreme Court, Poughkeepsie, New York
- Bronx County Supreme Court, Bronx, New York

Richmond County Supreme Court, Staten Island, New York
Kings County Supreme Court, Brooklyn, New York
Village of Chester Justice Court, Chester, New York
US District Court, Southern District of New York, White Plains, NY
New York County Supreme Court, Manhattan, NY

Network Television Consultation













National Television Network Broadcast

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 an ice projectile fall and penetrate a vehicle windshield, causing major injury to the driver.

Software Tools Used

-  FARO Scene – Point Cloud Laser Scanner Tool
-  FARO Reality – 3D Traffic Crash Computer Aided Drawing, Point Cloud Tool, 3D Animation and Collision Simulation Software
-  ARAS360 HD – Traffic Collision Computer Aided Drawing, Reconstruction & Animation Software
-  PC-Crash – Validated Vehicle, Motorcycle, Bicycle & Pedestrian Collision Simulation Software
-  PhotoModeler – Photogrammetry & Dense Surface Modeling Software
-  Cloud Compare Point Cloud Software – Computer Aided Drawing & Reconstruction Software
-  VS Visual Statement FX3 – Computer Aided Drawing & Reconstruction Software
-  Adobe Photoshop CC
-  Microsoft Office Excel and other Products
-  ReCap
-  BOSCH CDR
-  Leica Cyclone – Point Cloud Software for 3D Laser Scanning

Referrals

References are available upon request