

Russell A. Boynton

Curriculum Vitae

Professional Experience

Northpoint Collision Consultants, LLP

Concord, NH

March 2006 to Present

General Partner

Founding partner of the company and an accident reconstruction expert offering a full range of accident investigation and reconstruction services to agencies for use in civil and criminal proceedings.

Belknap Regional Accident Investigation Team

January 2001 to Present

Member

Cofounder and active member of a specialized law enforcement team that investigates serious injury or fatal traffic collisions throughout the Lakes Region of New Hampshire. Responsible for processing scenes, preparing search warrants and analytical reports, as well as advising prosecutors and testifying as an expert at depositions and criminal trials.

Gilmanton Police Department

Gilmanton, NH

June 2000 to March 2006

Chief of Police

Responsible for the daily operation of the town's police department. Prepared and administered budgets as well as policies and procedures. Active in the investigation of motor vehicle collisions and criminal investigations, as well as maintaining community oriented programs.

U.S. Department of Justice; International Criminal Investigative Training Assistance Program

September - October 2003

Prepared lesson plans and instructed police officers as part of an international training program. 12 weeks of lessons in advanced accident investigation reconstruction were provided to Albanian and Serbian police officers serving in the Kosovo Police Service (KPS).

Northeast Collision Analysis, Inc.

Rochester, New Hampshire

November 1996 to July 2000

Provided accident reconstruction services to various agencies as a Senior Consultant for the corporation. Completed approximately 200 reconstruction cases and reviewed and co-signed nearly 200 additional reports prepared by my colleagues. Offered in-house consultation to my peers in the specialized fields of pedestrian and bicycle accident investigation and heavy truck crash reconstruction.

Accident Illustration Associates

Belmont, New Hampshire

January 1991 to November 1996

Owner and principal consultant, providing part-time accident reconstruction services to various agencies for use in civil litigation.

New Hampshire Department of Safety

Division of State Police

Concord, New Hampshire

July 1984 to November 1996

***Detective Corporal, Investigative Services Bureau
Special Investigations Unit (SIU)***

Served as the State Police liaison to the U.S. Bureau of Alcohol, Tobacco and Firearms (ATF) and was primarily responsible for the detection and enforcement of state firearm infractions.

***Detective Corporal, Investigative Services Bureau
Major Crime Technical Response Unit***

Processed major crime scenes, primarily homicides, to document evidence and obtain measurements necessary to complete presentation scaled drawings and diagrams.

Unit Commander, Criminal Records & Reports Unit

Commander of the central repository for criminal records. Supervised 14 employees and was responsible for the daily operation of five sections; criminal records, accident reports, fingerprinting and classification, uniform crime reporting, and the National Crime Information Center (NCIC) compliance team.

Member, Technical Accident Reconstruction Unit

Appointed in 1988. Trained in the advanced techniques of accident investigation and reconstruction. Frequently called upon by state, county, and local law enforcement agencies to investigate collisions, mostly fatalities or incidents involving serious bodily injury, in which technical questions were resolved. Served as the primary investigator in a minimum of 25 motor vehicle related fatalities as well as numerous other personal injury crashes.

Field Training Officer

Responsible for training Probationary Troopers in all aspects of law enforcement including; adherence to departmental rules, regulations, and standard operating procedures; patrol practices and procedures; laws of arrest; investigation and enforcement of motor vehicle and criminal infractions; interview and interrogation techniques; accident investigation; report writing; courtroom protocol and techniques of prosecuting violation and misdemeanor complaints.

Instructor

Taught basic accident investigation and reconstruction techniques and procedures to Probationary Troopers.

New Hampshire Police Standards & Training Council

Concord, New Hampshire

January 1991 to November 1996

Adjunct Instructor

Taught police officers the techniques of basic, at-scene, technical and advanced motor vehicle accident investigation and reconstruction. Topics of instruction included, among other things; vehicle dynamics; occupant kinematics; vehicle damage analysis; application of mathematical formulae used to determine roadway coefficient of friction, speed, time and distance, and vehicle center of mass; and the preparation of accident reconstruction reports. Primary instructor of at-scene evidence collection and documentation with an emphasis on scaled accident diagramming, including photogrammetry.

Additional Experience

Steven K. Stokes, AIA
Laconia, New Hampshire
January 1982 to July 1984

Architectural Draftsman

Prepared scaled drawings of site, floor, section, elevation and detail plans for residential and commercial building projects. Prepared interior and exterior design schemes and presentation drawings, including scale models for site and building proposals.

United States Marine Corps
Parris Island, South Carolina
July 1978 to July 1982

Sergeant (E-5)

Performed a variety of military police assignments including base security, patrol and investigation, traffic accident investigation and enforcement of motor vehicle violations and infractions of the Uniform Code of Military Justice. Advanced to the position of Military Police Investigator (MPI) assigned to the Criminal Investigation Division (CID). Honorably discharged on July 23, 1982.

Professional Education

ARAS360
ARAS360 Technologies, Incorporated
West Chester Police Department, West Chester, Ohio
November 9-11, 2011

Trained in the use of proprietary software to create complex incident scene drawings from data captured in the field or alternatively through other published documents, create 3D scene environments, perform crash reconstruction calculations and generate precise 3D animations using collision data. Actual crash data was provided for practical classroom exercises.

TopCon Total Station Survey Instrument

Bunce Corporation
Belmont, New Hampshire
February 2006

Trained in the proper setup and use of the electronic total station survey instrument and peripherals used to capture scene data and produce forensic computer generated scale diagrams and animations.

Crash Zone CAD

Bunce Corporation
Belmont, New Hampshire
September 2005

Received instruction on producing crime and collision scene diagrams using computer aided drafting (CAD) software distributed by Crash Zone.

Heavy Truck Crash Reconstruction

Northwestern University Traffic Institute
Evanston, Illinois
May 1999

A course designed specifically to provide students with the tools needed to reconstruct collisions involving heavy trucks. Topics of instruction were heavy vehicle nomenclature, air brakes, tires, collision behavior, momentum and damage, determination of velocity, tachographs and gear positions, offtracking, rollovers and computer analysis. Field testing with various tractor/trailer units was performed at the Bosch Automotive Proving Grounds in New Carlisle, Indiana.

Biomechanics of Traffic Accident Reconstruction

Texas A&M University
Texas Engineering Extension Service
San Antonio, Texas
July 1998

Problem solving for determining principal direction of force and changes in vehicle velocity (Delta-V) and their effect on occupant kinematics and occupant dynamics. Other areas of instruction were: forensic toxicology; injury analysis, correlation and classification; speed analysis from injuries; analysis and documentation of physical evidence; occupant restraint systems and testing; vehicle seats and systems; mechanics of materials and rear-end collisions.

Human Factors and Visibility Concepts Hampering Perception and Reaction Times

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
April 1998

Special Problems in Traffic Accident Reconstruction

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
April 1998

Attended various lectures on topics including: Determining Occupant Seating Positions, Occupant Kinematics, Occupant Protection Systems, Investigation of Commercial Vehicle Accidents, Commercial Vehicle Trailer Swing Out, Facts Versus Myths of Linear Momentum, Tires - Causative Factor or Not, Use of Math and Physics in Accident Reconstruction

Applied Physics for the Accident Investigator

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
December 1997

Advanced Traffic Accident Reconstruction With the Use of Microcomputers (WinCRASH)

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
May 1997

Pedestrian & Bicyclist Accident Reconstruction

Texas A&M University
Texas Engineering Extension Service
Anaheim, California
February 1997

PC-Crash & PC-RECT Workshop

MacInnis Engineering Associates, Ltd.
Detroit, Michigan
February 1997

Society of Automotive Engineers International Congress & Exposition

Detroit, Michigan
February 1997

Motorcycle Accident Investigation

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
May 1995

Pedestrian Accident Investigation

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
December 1993

Commercial Vehicle Accident Investigation/Inspection

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
November 1991

Advanced Accident Reconstruction

University of North Florida
Institute of Police Technology & Management
Jacksonville, Florida
June 1990

Technical Accident Investigation

New Hampshire Police Standards & Training Council
Concord, New Hampshire
May 1988

Basic Accident Investigation

New Hampshire Police Standards & Training Council
Concord, New Hampshire
November 1984

Other Training

Armored Vehicle Driving Course

DynCorp International
Kabul, Afghanistan
February 2010

Combat Life Saver Course

DynCorp International
Jalalabad, Afghanistan
March 2009

High-Risk Environment Training

Team Crucible

Alexandria, VA

February 14-28, 2009

Preparation for an assignment as an embedded police mentor/trainer in Afghanistan during Operation Enduring Freedom. Received instruction on hand-to-hand combat and defensive techniques; combat first aid; firearms qualification for rifle (M4), pistol (M9) and machine guns (240 & 249); vehicle convoy operations and awareness of insurgent activities.

Secondary Education

Southern New Hampshire University

Manchester, New Hampshire

Candidate for Bachelor of Science in Business Studies

Summer/Fall 2008

Franklin Pierce University

Rindge, New Hampshire

Candidate for Bachelor of Science in Information Services

1993-1996

Beaufort Technical College

Beaufort, South Carolina

Associate Degree in Criminal Justice

June 1982

Law Enforcement Certifications

Intoximeter 3000 Certification

New Hampshire Health & Human Services

Concord, New Hampshire

November 1989

Defensive/Pursuit Driving

New Hampshire State Police

Concord, New Hampshire

November 1988

Certified Police Officer

New Hampshire Police Standards & Training Council

Concord, New Hampshire

November 1984

Basic Military Police Course
United States Army Military Police School
Fort McClelland, Alabama
January 1979

Publications **Scaled Diagram Workbook**
Published workbook designed to provide students with exercises in recording at-scene measurements and using those measurements to create scale diagrams and courtroom presentations.

**Court
Testimony** Recognized and qualified as an expert in the field of accident investigation and reconstruction in New Hampshire, Massachusetts, and Vermont Courts. Testified as an expert during depositions in the State's of New Hampshire, Massachusetts, Vermont, New York and New Jersey.

**Honors
& Awards** **Meritorious Service Award - 2000**
Gilmanton Police Department
Gilmanton, New Hampshire

Honorable Service Award - 2000
Commendation for Investigation of a Felony Shooting Incident
Gilmanton Police Department
Gilmanton, New Hampshire

New Hampshire State Police Official Recognition - 1995
Installation & Support of the State Police Computer Network
New Hampshire Department of Safety, Division of State Police
Concord, New Hampshire

New Hampshire State Police Official Recognition - 1991
Motor Vehicle Fatal Investigation
New Hampshire Department of Safety, Division of State Police
Concord, New Hampshire

Outstanding Officer Award - 1984
Graduated Most Outstanding Officer
New Hampshire Police Standards & Training Council Police Training Academy
Concord, New Hampshire

Leatherneck Award (Honor Man) - 1978
Most Outstanding Graduate
United States Marine Corps Recruit Basic Training
Parris Island, South Carolina