

OBJECTIVE:

The application of professional experience with tutorial and academic preparation allowing for professional growth and recognition.

PROFESSIONAL EXPERIENCE:

- **Accredited Traffic Accident Reconstructionist**, ACTAR #4223, The Accreditation Commission for Traffic Accident Reconstruction, certificate issued August 26, 2022.
- **The Crash Lab, Inc., Hampton, New Hampshire, February 2023 to present**
Accredited Traffic Accident Reconstructionist, providing services to insurance companies, law firms and governmental agencies that require motor vehicle accident reconstruction for use in civil and criminal litigation. Duties include, but are not limited to, field investigations; vehicle damage analysis, low velocity impact analysis, occupant kinematics, photography, velocity calculations, time and distance analysis, lamp filament examination, Forensic Scene Mapping, and data analysis report preparation, expert testimony, and seminar presentations.
- **Gilford Police Department, 11/2001 to 1/2023**
 - Detective Sergeant (March 2013 – January 2023)**
Oversaw all felony level investigations within the agency. Responsible for the processing, handling, and storage of all physical evidence. Worked closely with outside criminal justice agencies to include the Belknap County Attorney, New Hampshire State Police Narcotics & Investigations Unit, New Hampshire Attorney General’s Drug Task Force, and other local departments.
 - Detective (July 2008 – March 2013)**
Began as an interim-Detective and later assigned permanently in the Investigative Services Bureau in August 2009. Conducted criminal investigations, processed crime scenes, fulfilled the role of Evidence Technician, referred cases to the Belknap County Attorney, and handled court matters.
 - Field Training Officer (January 2005 – July 2008)**
Was an integral component in the training of new officers, leading by example. Provided detailed training and accountability to probationary officers.
 - Patrol Officer (October 2001 – January 2005)**
Successfully completed the Gilford Police Department’s Field Training Program and subsequently became an independent, self-sufficient Patrol Officer.

- **Accident Reconstructionist/Belknap Regional Accident Investigation Team (B.R.A.I.T.) April 2003 – January 2023**
Responded to, and assisted with, measuring, photographing, and documenting collision scenes through use of a 3D scanner. Investigated and led numerous motor vehicle collision investigations that involved fatalities, serious bodily injuries, and often, felony-level convictions.
- **FAA Licensed Remote Pilot**, license issued April 3, 2021, valid through February 25, 2026
- **Certified FARO Focus 3D Scanner Certification**, certificate received September 28, 2018
- **Cellebrite Certified Operator (CCO) and Cellebrite Certified Physical Analyst (CCPA)**, certificate received August 31, 2018, recertified February 27, 2023, valid through February 27, 2025
- Testified in New Hampshire State Courts, with 80+ Grand Jury appearances.

INSTRUCTOR:

Co-Instructor; B.R.A.I.T. First Responder Training, September 16, 2022, 4 hours, Gilford Police Department, Gilford, New Hampshire. Topics included: Emergency Response and Scene Security; Roadway Evidence; Documentation of Vehicle Damage; Identification and Collection of other Physical Evidence; Identifying the Three Major Components of the Highway System; Obtaining/Interrogating Driver/Witness Statements; A.G.'s Felony DWI Protocol (2014); DMW Administrative Letter (DSMV 384); Investigating Driver Backgrounds; Vehicle Inspections and EDR Downloads; and Cell Phone Seizure, Preservation, and Examination.

EDUCATION:

National Association of Professional Accident Reconstruction Specialists (NAPARS)

2004 Symposium on EDR Research and Training

April 8-12, 2024, Oklahoma City, Oklahoma

Attended a five day conference. Topics Included: CDR-Bosch - What's New?; Toyota GTS and Techstream; 2023 Toyota Safety Sense Applicability Chart; Lexus Safety Systems Listing; EDR Case Study; Accuracy of EDRs in late model vehicles; 2024 SAE EDR paper preview; EDR Analyst Equations; Need for Pre-Crash Acceleration Data in EDR for Vulnerable Road User (VRU) collisions; GM Vehicle Systems and their EDRs; GM ASCM-FCM Case Studies; CDR Backpowering/Repowering Update; Berla Vehicle System Forensics; Motorcyclist Airbag PPE; Motorcycle EDR Data Analysis and Update; New and Evolving HV EDRs; HV EDR Issues; Vehicle Speed Sensors and HV EDRs; Analysis of HV EDR Data; HV EDR Data Discussion using Paccar, Bendix, WABCO, Detroit Diesel, Eaton Transmission, ELD; and Diagnosing Mechanical Issues.

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National Association of Professional Accident Reconstruction Specialists (NAPARS)

Critical Speed Yaw Analysis – Wade Bartlett

March 29, 2024 – Via Zoom

Attended a two-hour webinar. Topics included: The Theory Behind the Math; Testing Over the Years; d Suggestions for Making the Measurements; and Documentation.

National Association of Professional Accident Reconstruction Specialists (NAPARS)

Advanced Collision Reconstruction with CDR Applications – Greg Russell

March 18-22, 2024, Manchester, New Hampshire

Attended a five-day conference. Topics included: Overview of Pre-Crash and Crash-Pulse Data; Calculating delta-V from Acceleration Data; Calculating Impulse delta-V from x/y delta-V Data; Calculating PDOF from x/y delta-V Data; Adjusting x Axis delta-V to Represent Impulse delta-V; Single Equation Approach to 360° Momentum Analysis; Calculating Impact & Post Impact Velocities from CDR Data (delta-V and PDOF); Reconciling Pre-Crash and Post-Crash CDR Data; and Analyzing CDR Data in the Context of Your Reconstruction.

Recon-3D

User Group Meeting

February 20, 2024

Attended a five-hour webinar. Topics included: Recon 3D Updates and Use of App; Using Recon 3D to Map Surveillance Camera Locations; Documenting Bullet Trajectories; Vehicle Scanning for Traffic Accident Reconstruction; and Challenges with Scanning Roadways.

National Association of Professional Accident Reconstruction Specialists (NAPARS)

Determining Vehicle Speed from an Audio Recording – Alan Moore

February 16, 2024 – Via Zoom

Attended a two hour webinar. Topics included Basics of Extracting Frequency Information from Vehicle Noise; How Engine Frequency is Related to Vehicle Speed; How to Handle Torque Converter Slip; Advantages and Limitations of the Method; and How to Apply the Method in Practical Examples.

National Association of Professional Accident Reconstruction Specialists (NAPARS)

Nighttime Crash Scene Investigation

Jeffrey W. Muttart, Ph.D., Driver Research Institute, LLC

January 4, 2024, Hampton, Connecticut – Via Zoom

Attended a two-hour webinar. Topics included: Understanding Nighttime Visibility; The Role of Bias in Crash Investigation; Signal Detection Theory in Crash Investigations; The CAPLETS Approach, Hands-on Techniques for Scene Documentation; and Developing Best Practices.

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National Association of Professional Accident Reconstruction Specialists (NAPARS)

Statistics & Probability for Crash Reconstructionists – Wade Bartlett

Certificate received November 17, 2023

Attended a two-hour online training webinar.

Driver Research Institute, LLC

Advanced Human Factors Class - Jeffrey Muttart, Ph.D. and Timothy Maloney

October 16-20, 2023, Gilford, New Hampshire

Satisfactorily completed a five-day course of instruction. Topics included: Perception-Response Time; Response to Slow Moving or Stopped Vehicles on Multilane High Speed Roads; Nighttime Recognition; Drivers' Decision Making; Research, IDRR/Response; Gap Acceptance; Pedestrian Walking Speeds; Acceleration; Forward and Backing Acceleration of Cars, Motorcycles, and Commercial Vehicles; Drivers' Responses at Green and Yellow Traffic Signals; Deceleration Choice, Reaction Time, and Probability of Stopping; and Rules of Thumb.

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

Case Preparation and Courtroom Presentation

Certificate of Completion received September 11, 2023

Completed a two-hour online course of instruction. Topics included: Consulting and Pre-Trial Deposition Testimony; Re-Direct and Cross Examination; Proper Courtroom Decorum; Protocols for Using Demonstrative Exhibits; Answering Difficult Questions; Avoiding Professional Pitfalls; and the Differences Between Criminal and Civil Trials.

Pix4D

PIX4Dmapper In-Depth Online Course

Certificate of Completion received September 6, 2023

Completed a 12-hour online course of instruction. Topics included: Managing Processing Options; Capturing Images by Hand with an RGB Camera; Creating a Digital Terrain Model (DTM); and Capturing Thermal and Multispectral Images.

Pix4D

PIX4Dmapper Essentials

Certificate of Completion received August 29, 2023

Satisfactorily completed a 12-hour online course of instruction. Topics included: RGB Images; Ground Sampling Distance; Ground Control Points; Editing; and Measuring from Images.

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National Association of Professional Accident Reconstruction Specialists (NAPARS)

Introduction to Digital Video Analysis for Crash Reconstruction – Joe Warren

June 16, 2023

Attended a two-hour online webinar. Topics included: Evolution of Video Evidence in Crash Investigation; Expectations and Limitations of Video Evidence; Overview of the Principles of Speed Analysis from Video and the Math Involved; Understanding Frame Rates and Perspective; Fixed vs. Moving Video; Mapping Scenes to Account for Existing Video Evidence; How Digital Video is Made, Stored, and Timed; Understanding MetaData; Software Requirements for Speed Analysis; Crash Course Training for Software Usage; External Testing and Verification Methods; and Real-World Case Examples.

Northwestern University Center for Public Safety

Crash Data Retrieval Analysis and Applications Course

June 5-9, 2023, Schaumburg, Illinois

Completed a 40-hour course of instruction. Topics included: Delta-v and Closing Speed Analysis; PDOF Calculation and Applications; Comparison of Pre-Crash Parameters, Including Vehicle Speed; Throttle Position, Engine Speed, and Brake Application; Methods of Comparing Internally Recorded Information; Using CDR Data in Reconstruction; Airbag Deployment – How, Why, and When Airbags and Related Systems Deploy; Crash Sensing and Critical Timelines; Crash Pulse Recording Methodologies; Delta-v Recording Variations; Calculating PDOF from CDR Data; NHTSA CFR49 Part 563 Rule; Pre-Crash Data Sources and Impacts on Accuracy; and Discussion of CDR Supported Vehicle Systems.

Northwestern University Center for Public Safety

Crash Data Retrieval System Operator's Course

June 1-2, 2023, Schaumburg, Illinois

Completed a 16-hour course of instruction. Topics included: CDR System Components and Software Requirements; Installation/Configuration of the CDR Software; Determining if a Vehicle is CDR Supported and which Modules may be Accessed by the CDR System; Selecting the Best Method of Access – DLC Connection, Direct to Module, and Bench-Top Access; CDR System Components; Software Operation; Trouble-shooting Common Error Messages and On-Vehicle Connections, Saving CDR Imaged Data; Report Generation; Basic Awareness of Legal Issues Surrounding Access; Introduction to Back-Powering Methods; Required Tools for Accessing Modules; and Discussion of Hyundai, Subaru, and Kia EDR Tool Operations and Retrieved Data.

FARO Technologies

FARO Academy: FARO Zone 3D Essentials

Certificate of Completion received May 12, 2023

Attended an online course of instruction.

FARO Technologies

FARO Academy: FARO Zone 3D Power Tools for Crash

Certificate of Completion received May 12, 2023

Attended an online course of instruction.

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FARO Technologies
FARO Academy Workshops
May 10-12, 2023

Attended nine online courses of instruction. Topics included FARO FotoPoints Deep Dive; How to Perform Crush Analysis in Zone; Using EDR Data in Zone; Using Drones in Crash Scene Data Gathering; Building Momentum; What's New in FARO Zone; and Merging Drone and Scanner Data.

National Association of Professional Accident Reconstruction Specialists (NAPARS)
Ignition Cyclopedia – Kent Boots
May 5, 2023 (via Zoom)

Attended a two-hour online webinar.

WREX 2023 (World Reconstruction Exposition)
Sponsored by 23 crash reconstruction associations from around the world
April 17-21, 2023

Attended a five day event. Topics included: Keynote address by Wade Bartlett and Lou Peck; A Historical Perspective on Technology in Reconstruction; Collision Reconstruction is Evolving; Toyota Tech Stream Software VCH Research and Testing; GPS Data: Sources, Analysis, and Presentation; Commercial Motor Vehicle Collision Mitigation Systems; EDR Accuracy of Modern Vehicles; HVEDR Update; Working with GoPro and GPS Data; Automotive Test Equipment, DTCs and Pre-Crash Data; Accessing Toyota Event/Camera Data through Tech Stream Software; Facts Don't Sell Themselves: Persuading Your Audience with Visual Aids; The Importance of Tires in Accident Investigation; Introduction to Forensic Acquisition of Mobile Devices in Accident Reconstruction; Determining the 85th Percentile Speeds from Traffic Video; Methods for Establishing Motorcycle Impact Speeds; Simulated Look at Effects of Pedestrian Lateral Velocity; Learning the Proper Methodologies from the Mistakes of Others; Guardrail End Terminal Crash Reconstruction; Time v. Distance Analysis in Crash Reconstruction; Analysis of Sideswipes and Glancing Impacts; Accurate Measurements by Combining Images or Video with Laser Scans; Next Generation GM EDRs; ATV Collision Investigations; Retroreflective Material Analysis; Bicycle/E-Bike Performance; Use of Mobile Lidar in Collision Reconstruction; Forensic Video Analysis; Photometry for Forensic Investigators; ADAS and Advanced Safety Systems in Passenger Vehicles; Injury Biomechanics in Accident Reconstruction; Injury Reconstruction with Biofidelic Dummy; Mobile Device/Infotainment System/Chip Swap Forensics; Comparison of Vehicle Drag Factors on Various Surfaces; OEM Representation; Semi-Trailer Underrides-Turning Tragedy into Advocacy; Distracted Driving Investigations; Frozen Speedometer Reliability; One Full Day of Crash Testing; and Crash Test Review. Participant in Indoor Shutter Study.

National Association of Professional Accident Reconstruction Specialists (NAPARS)
Human Factors – Dr. Susan Lantz, Lantz Biomechanics
Certificate received April 4, 2023

Attended a two-hour online webinar.

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Recon-3D

User Group Meeting

March 21, 2023

Attended a four-hour webinar. Topics included: Recon-3D Update; Recon-3D at Crime and Crash Scenes; Recon-3D for use in Bullet Trajectory Documentation; Accuracy and Comparisons to the RTC360; Bloodstain Pattern Documentation & Area of Origin Analysis with Recon-3D; Use of Targets; Comparison of Recon-3D with Faro Scanner; Accuracy and Repeatability of Mobile Phone Lidar Capture; Scanning Techniques for Tractor Trailer Scanning; Remote Viewing with A-Power Mirror; and Comparison of Recon-3D to Terrestrial Laser Scanner Data.

National Association of Professional Accident Reconstruction Specialists (NAPARS)

Aerial Photogrammetry in Crash Reconstruction – Andrew Klane

Certification of Completion received March 17, 2023

Attended a two-hour online training class. Topics included Overview of Aerial Photography using UAVs and Pix4D.

iNPUT-ACE

Operator: Intro to Axon Investigate and Projects – Module 1

March 6, 2023

Attended a four-hour live training webinar, Course One in the Operator Certification track. Topics included: Adding and Organizing items in the File List; Interrogating, Marking Frames, Creating Subclips, Exporting, and Stitching; Introduction to Frame Rate; Date and Time Offsets and Projects; and Metadata and Filtering.

iNPUT-ACE

Operator: Processing and Basic Reporting – Module 2

March 7, 2023

Attended a four-hour live training webinar, Course Two in the Operator Certification track. Topics included: Frame Rates; Codecs and Containers; Proprietary Codecs; Proprietary Players; Identifying Video Files; Advanced Processes – Concatenate (Stitch Together) and Canvas Editor; Projects; Case Organization: Entering Date/Time Offsets; Using and Adding Metadata; and Filtering and Sorting Data in Large Cases.

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ai2-3D Forensics

Zero to Hero in Cloud Compare- Eugene Liscio, P.Eng

February 6 & 7, 2023

Attended an eight-hour training webinar and successfully completed assignments. Topics included: Interface and Navigation Display Options; Units, File Types to Import; Point Picking-Measurements; PointList (saving); Van Project-Segmentation; Subsampling; Merging Point Clouds; Exporting-Selecting!; Subsampling Points on Mesh; Leveling with 3 Points; Translation Tools; Edit-Apply Transformation; Scaling; Cross Sections-Extract as Polyline, Export as Cloud; Draw Polyline; Scalar Fields (Custom Ramps); Assign Height to Scalar, UTM; Height Ramp to RGB and Removing Color; Filter Points by Value; Ambient Occlusion; Unwrap Tire; Meshing Skull (Create Normals); Ellipser App; Virtual Broom; CSF Filter; Normal Distance Measurement Against a Plane; Viewpoints-Animation Plugin; Registration; Cloud Comparisons-Best Fit Plane; and Assignments.

FARO Technologies

FARO Virtual Workshop: Crash Reconstruction Series

Certificate of Completion received March 19, 2021

Attended a five week (10 hour) virtual workshop. Topics included Forensic Workflows using FARO Zone 3D Advanced Software in the creation of a 2D Diagram; Momentum Analysis Report; and 3D Animated Reconstruction with EDR Data.

Gilford Police Department

Practical Defensive Driving

October 20, 2020 and November 1, 2013, Gilford, New Hampshire

Completed an 8-hour Advanced Defensive Driving course. Topics included: Unique Characteristics of Law Enforcement Driving; Identification of Faulty Driving Attitudes; Calculating Reaction Distance from Reaction Time at a given Vehicle Speed; Problems Caused by Driver Fatigue; Advantages of Proper Seating Position; Vehicle Headrests as Restraining Devices; Hydroplaning; Primary Hazards of Night Driving; Under and Over Steer; Proper Passing Procedures; Two-Second Plus Rule for Following Distance; and Seat Belts.

Primex – New Hampshire Risk Management Exchange

Primex³ Education & Training Program - Collision Avoidance

July 24, 2020 via online training

Completed a pre-recorded webinar designed to highlight key concepts in vehicle collision avoidance. Topics included Identification of three Good Driving Habits; Assessing the Needs and Techniques for Proper Backing; Importance of Proper Following Distance and its Effect on Collision Avoidance; Importance of Steering in Collision Avoidance; How Seat Belts Work and their Role in Collision Avoidance; Explaining the Different types of Distracted Driving and How they Impact a Driver's Ability to Safely Operate a Motor Vehicle; and How Drowsiness and Fatigue Negatively Impact a Driver's Ability to React to Potential Hazards while Operating a Vehicle.

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Pennsylvania State Police

Collision Reconstruction Seminar 2019

November 5-7, 2019, Gettysburg, Pennsylvania

Attended a three-day conference. Topics included: Rollover; Crash Test Traffic Stop Positioning; Preservation of Crucial Evidence in Commercial Vehicle Crashes; Optical Illusions in Crashes; Video Evidence: Variable Refresh Rates and Reverse Projection; Advanced Momentum; Distracted Driving and Crash Risk; EDR Update; Investigative Statement Analysis; Tesla EDR: Evidence, Data, and a Case Study; Cellular Phone Mapping and Testimony; and Crash Test Data and Analysis.

Institute of Police Technology and Management (IPTM)

Investigation of Motorcycle Crashes

July 29 to August 2, 2019, Gilford, New Hampshire

Satisfactorily completed a 40-hour course of instruction. Topics included: Analyzing and Interpreting the Motorcycle Crash Scene; Determining Acceleration and Deceleration Characteristics of the Motorcycle; Analyzing and Interpreting Modes of Instability and Handling Characteristics in Motorcycles; Interpreting the Operator Factor; Reviewing Motorcycle Tires, Helmets, and other Equipment; and Using a Practical Application of Formulas (Projects).

New Hampshire Department of Safety

New Hampshire Safety Conference

May 6, 2019, Concord, New Hampshire

Attended a one day conference. Topics included: Roadway Safety and Design; What is Happening with Road Safety in New Hampshire; Effective Messaging; What are the New Hampshire Non-Fatal Crash Trends Showing?

FARO Technologies

FARO Focus 3D Scanner Certification

September 24-28, 2018

New Hampshire Law Enforcement Online Training Center

Crime Scene Investigation & Evidence Collection (NH)

September, 23, 2016

Attended two 1-hour virtual classes. Topics included: Responsibilities of the First Responder at the Scene; Importance and Methods of Scene Documentation; Importance of Knowing When and Where Photographing Evidence is Needed; Equipment Needed for Photographing Evidence; the Importance of a Scale Diagram; Common Evidence Collection Terms and Definitions; Procedures for Packaging Evidence; and Importance of Chain of Custody of Evidence.

National Safety Council

Flagger Training Course

March 27, 2013

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New Hampshire Police Standards & Training Council

Basic Digital Photography for Law Enforcement

May 2-6, 2011, Concord, New Hampshire

Attended a 40-hour course of instruction. Topics included: Digital Work Flow File Saving/Archiving; Surveillance Photography; Digital Photography – Legal Issues; Basic Operation of Digital Camera; Basic Flash Operation; Low Light Presentation; Practical Exercise – Surveillance; and Crime Scene Investigation.

Pennsylvania State Police

Collision Reconstruction Seminar 2010

September 28-30, 2010, State College, Pennsylvania

Attended a three-day conference. Topics included Nighttime Pedestrian Crash Case Study; Crash Testing; Current Issues in EDR; Tire Dynamics; Elderly Drivers; Bulletproofing your Reconstruction; Current Issues in Pedestrian Reconstruction; Sensitivity Analysis; Crash Test Data and Analysis; and Dark Distance Study Data and Analysis.

New Hampshire Police Standards & Training Council

Laser Traffic Enforcement

April 28, 2010, Concord, New Hampshire

Successfully completed an 8-hour training course on operation of Laser Traffic Enforcement.

New Hampshire Police Standards & Training Council

Fraud Investigations

May 26-28, 2009, Concord, New Hampshire

Attended a three-day course of instruction. Topics included: Check Fraud; Computer Fraud; Confidence Games and Schemes; Credit Card Fraud; Identify Fraud; Telephone Fraud; Fraud Against the Elderly; and Search Warrants.

Institute of Police Technology & Management (IPTM)

Traffic Crash Reconstruction

February 5-16, 2007, Concord, New Hampshire

Successfully completed an 80-hour course of instruction. Topics included: Derivation and Origin of the Commonly used Speed Formulas; Speed of Vehicles at Impact using Conservation of Linear Momentum; Behavior of Vehicles in a Collision using Newton's Three Laws of Motion; Discussion of Commercial Vehicle and Motorcycle Dynamics in Collisions; and The Determination of Direction of Travel, Initial Contact, and Position of Vehicles on the Roadway.

Institute of Police Technology & Management (IPTM)

The Field Training Officer

January 22-26, 2007, Concord, New Hampshire

Successfully completed a 40-hour course of instruction.

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State of New Hampshire Department of Safety
Breath Test/Instrument Operator – Intoxilyzer 5000
October 5-7, 2004, Concord, New Hampshire

Institute of Police Technology & Management (IPTM)
Advanced Traffic Crash Investigation
May 5-15, 2003, Concord, New Hampshire

Successfully completed an 80-hour training course. Topics included: Speed Estimates from Kinetic Energy, Skid Marks, Scuff Marks, and Airborne Situations; Vehicle Dynamics and Motion; Time, Distance, and Motion Equations; Conservation of Momentum Equations; Center of Mass Calculation; Vehicle Lamp Examination; Tire Damage Evaluation; and Vector Sum Analysis.

Institute of Police Technology & Management (IPTM)
At-Scene Traffic Crash Investigation
March 31-April 11, 2003, Concord, New Hampshire

Successfully completed an 80-hour training course. Topics included: Physical Evidence from the Roadway; Physical Evidence from the Vehicle; The Human Element and Occupant Kinematics; Mathematical Principles and Equations; Skid Marks and Vehicle Speeds; Crash Scene Photography; Traffic Templates; Measuring and Scale Diagramming; Driver and Witness Interviews; and Information Analysis and Case Preparation.

ADDITIONAL EDUCATION:

FBI-LEEDA, Gilford, New Hampshire
Executive Leadership Institute, March 11-15, 2019

United States Department of Justice, Portsmouth, New Hampshire
Investigative Techniques (ICAC), February 27 to March 3, 2017

FBI-LEEDA, Gilford, New Hampshire
Command Leadership Institute (CLI), January 30 to February 3, 2017

FBI-NAA, Meredith, New Hampshire
Motivational/Leadership, June 29, 2016

FBI-LEEDA, Sturbridge, Massachusetts
Supervisor Leadership Institute, October 27-31, 2014

New Hampshire Police Standards & Training Council, Concord, New Hampshire
127th Police Academy, graduated March 29, 2002

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ACHIEVEMENTS:

FBI-LEEDA Trilogy Award, March 15, 2019

11 Meritorious Service Awards; 1 Life Saving Award; 33 Unit Action Awards; 1 Community Service Award; 1 Leadership Award; Supervisor's Recognition of the Year Award

ASSOCIATIONS/MEMBERSHIPS:

- Member, National Association of Professional Accident Reconstruction Specialists, Inc. (NAPARS)
- New York Statewide Traffic Accident Reconstruction Society, Inc. (NYSTARS)