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EDUCATION

- January 2007 - August 2007, Pennsylvania State Police Academy-124th Cadet Class, Hershey PA
- August 2002 – May 2006, University of Pittsburgh at Johnstown, Bachelor of Science Degree in Biology, Johnstown PA
- August 1998 - June 2002, Punxsutawney Area High School, Punxsutawney, PA

ACCREDITATION

- May 2019 – Present, Accreditation Commission for Traffic Accident Reconstruction (ACTAR) Certificate of Full Accreditation #3738.

PROFESSIONAL AFFILIATIONS

- February 2023 – Present, National Association of Professional Accident Reconstruction Specialists (NAPARS)
- September 2012 – Present, Pennsylvania Collision Analysis and Reconstruction Society (PCARS)

CERTIFICATIONS

- FAA Small Unmanned Aircraft Systems
- PA Certified Vehicle Safety Inspector

EXPERIENCE

- **March 2024 – Present, Collision Analysis and Reconstruction Training Unit – Western Region Instructor**
- **November 2017 – March 2024, Collision Analysis and Reconstruction Specialist, Unit Supervisor, Pennsylvania State Police**
- **March 2017 – November 2017, Patrol Unit Supervisor, Pennsylvania State Police**
- **August 2007 – March 2017, Patrol Unit Trooper, Pennsylvania State Police**

- **January 2007 – August 2007, Cadet, PA State Police Academy, Hershey PA**

TRAINING

- **Leica Map360 Pro Forensic CAD Software – Collision & Crime Forensic Solutions (32 Hours)
December 9th-13th 2024
State College PA**
- **Takata Airbag Problem - National Association of Professional Accident Reconstruction (2 Hours) – October 11th, 2024**
Online presentation by Richard Gill,
- **2024 Collision Reconstruction Seminar (24 Hours) - November 2024**
Kalahari Resorts and Conference Center, Pocono Summit
- **Symposium on EDR Research and Training (40 hours) – April 8th – 12th, 2024**
Embassy Suites 1815 S. Meridian Oklahoma City, Oklahoma 73108
- **Best Practices to Improve your Investigatory Tactics (1 hour) – February 19th, 2024**
Online presentation by Chuck Matson, South Dakota DRE Training Coordinator
- **DRE reconstruction of an Inhalant Case (1 hour) – February 19th, 2024**
Online presentation by Chuck Matson, South Dakota DRE Training Coordinator
- **Under the Influence of Cannabis “Understanding the Highway High” (1 hour) – February 15th, 2024**
Online presentation by the Prosecuting Attorneys Association of Michigan
- **OWI Alcohol vs OWI Cannabis “Knowing What to Look For” (1 hour) – February 15th, 2024**
Online presentation by the Prosecuting Attorneys Association of Michigan
- **Michigan DRE Continuing Education Training (4.5 Hours) – February 13th, 2024**
Online presentation by Michigan Office of Highway Safety Planning
- **Advanced Collision Reconstruction with CDR Applications (40 Hours) – February 5th-9th, 2024**
Lancaster County Public Safety Training Center, Presented by Greg Russell
- **Nighttime Crash Scene Investigation - National Association of Professional Accident Reconstruction (2 Hours) – January 4th, 2024**
Online presentation by Dr. Jeffrey Muttart, ACTAR
- **Monte Carlo Analysis - National Association of Professional Accident Reconstruction (2 Hours) – December 15th, 2023**
Online presentation by Wade Bartlett, ACTAR

- **Basic Occupant Kinematics for Traffic Collision Reconstruction – Pennsylvania Collision Analysis and Reconstruction Society (16 Hours) – December 2023**
Southwest Training Academy, Greensburg PA
- **Statistics & Probability for Crash Reconstruction - National Association of Professional Accident Reconstruction (2 Hours) – November 17th, 2023**
Online presentation by Wade Bartlett, ACTAR
- **2023 Collision Reconstruction Seminar (24 Hours) - November 2023**
Bayfront Convention Center, Erie PA
- **Applied Physics – Institute of Police Technology and Management (40 Hours) – October 2023**
Allentown Police Department, Allentown PA, Presented by John Daily
- **Pedestrian & Bicycle Collision Investigation (40 Hours) – September 2023**
Chester County Public Safety Center, Coatesville PA
- **Heavy Vehicle EDR Update - National Association of Professional Accident Reconstruction: (2 Hours) – July 28th, 2023**
Online presentation by James Loftis, ACTAR, ASE Technician
- **Ignition Cyclopedia - National Association of Professional Accident Reconstruction (2 Hours) – May 12th, 2023**
Online presentation by Kent Boots, ACTAR
- **2023 World Reconstruction Exposition (WREX) (40 Hours) – April 17-21, 2023**
Rosen Shingle Creek, Orlando, FL
- **Human Factors in Crash Reconstruction - National Association of Professional Accident Reconstruction (2 Hours) – April 4th, 2023**
Online presentation by Susan Lantz, Mechanical & Biomedical Engineer
- **Aerial Photogrammetry in Crash Reconstruction - National Association of Professional Accident Reconstruction (2 Hours) – March 17th, 2023**
Online presentation by Andrew Klane, ACTAR
- **EDR Update - National Association of Professional Accident Reconstruction (2 Hours) – February 24th, 2023**
Online presentation by Andrew Rich, BSME, ACTAR, ASE
- **Introduction to Microsoft Excel Presented by the Pennsylvania State Police Bureau of Patrol (4 hours) February 23rd, 2023**
PSP Punxsutawney, Punxsutawney PA
- **Utilizing Pix4Dmapper in Collision Reconstruction Presented by the Pennsylvania State Police Bureau of Patrol (16 hours) February 16th – 17th 2023**
PSP Punxsutawney, Punxsutawney PA

- **Spin Analysis - National Association of Professional Accident Reconstruction (2 Hours) – November 16th, 2022**
Online presentation by George H Meinschein, P.E., ACTAR
- **Bendix Pro Software - National Association of Professional Accident Reconstruction: (2 Hours) – November 4th, 2022**
Online presentation by Tommy Sturdivan, ACTAR
- **Momentum Refresher - National Association of Professional Accident Reconstruction: (2 Hours) – October 28th, 2022**
Online presentation by Greg Russell
- **2022 Collision Reconstruction Seminar (24 Hours) - October 2022**
Bayfront Convention Center, Erie PA
- **Heavy Vehicle Event Data Recorder Imaging and Analysis (32 Hours) – January 2022,**
Seven Springs Resort, Seven Springs PA
- **Commercial Vehicle Crash Investigation Level 2 (IPTM) (40 Hours) - January 2022**
Hilton Garden Inn, Allentown PA
- **Tire Analysis and Forensics 101 – Presented by Tennent and Associates (24 Hours) - December 2021**
Spring Hill Suites by Marriott, Latrobe PA
- **Remote Pilot 101 sUAS Part 107 Preparation Course – December 2021**
Online Training by RemotePilot101.com
- **Commercial Vehicle Crash Investigation Level 1 (IPTM) (40 Hours) - December 2021**
Toftrees Golf Resort, State College PA
- **20th Annual Collision Reconstruction Seminar (24 Hours)-November 2021**
Wyndham Hotel and Conference Center, Gettysburg PA
- **Forensic Scanning with the Leica RTC 360 and Cyclone Register 360 Software (16 Hours) – August 2nd -4th 2021**
PSP Hollidaysburg, Hollidaysburg PA
- **Leica Cyclone Register 360 – Introduction and How to Use (6 Hours) – June 23, 2021,** Online presentation from Ken Jones, Leica Geosystems
- **Leica RTC360 – Introduction and How to Use (1.5 Hours) – June 22, 2021**
Online presentation from Ken Jones, Leica Geosystems
- **Leica TruView 2021.0 Online User Orientation (0.25 Hours) - June 14th 2021**
Online presentation from Ken Jones, Leica Geosystems

- **Western SHIELD Team Presentation (8 Hours) – May 2021**
PSP Punxsutawney, Punxsutawney PA
- **Collision Reconstruction Seminar (10 Hours)-November 2020**
Virtual Seminar
- **Instructor Development - September 14th – 18th 2020**
Southwest Training Academy, Greensburg PA
- **A Medical Toxicologist's Guide to Drug Testing & Interpretation Webinar ID: 716-913-171(1 Hour) – February 2020**
National Traffic Safety Resource Prosecutor Program
- **IMS Map360 (40 Hours) – December 16th – 20th 2019**
Southwest Training Academy, Greensburg PA
- **19th annual Collision Reconstruction Seminar (24 Hours)-November 2019**
Wyndham Hotel and Conference Center, Gettysburg PA
- **Motorcycle Collision Investigation (40 Hours) - May 2019**
Loyalsock Volunteer Fire Company Williamsport, PA
- **Leica RTC360 introduction and instruction (4 Hours) – May 2019**
Southwest Training Academy, Greensburg PA
- **Medical Marijuana Workshop – January 2019**
Spring Church PA
- **Crash Data Retrieval (CDR) Analysis and Applications (40 Hours) – December 2018**
Southwest Training Academy, Greensburg PA
- **18th annual Collision Reconstruction Seminar (24 Hours)-October 2018**
Wyndham Hotel and Conference Center, Gettysburg PA
- **Intoxilyzer 9000 Maintenance Officer – June 2018**
PSP Punxsutawney
- **Intoxilyzer 9000 Transition Training – June 2018**
PSP Punxsutawney
- **Using Microsoft Excel for Traffic Crash Reconstruction (24 Hours) – March 2018**
Southwest Training Academy, Greensburg PA
- **FEMA- ICS for Single Resources and Initial Action Incident, ICS-200 -November 2017**
Online Course conducted at the Troop C DuBois Barracks, DuBois PA Sponsored by the U.S. Department of Homeland Security

- **17th Annual Collision Reconstruction Seminar (24 Hours) -October 2017**
Wyndham Hotel and Conference Center, Gettysburg PA
- **2017 National Interdiction Conference – May 2017**
Valley Forge Casino Resort, King of Prussia PA
- **Basic Supervision – March 2017**
PA State Police Academy, Hershey PA
- **16th Annual Collision Reconstruction Seminar (24 Hours) - September 2016**
Ramada Inn and Conference Center, State College PA
- **Operation Nighthawk – September 2016**
PSP Kittanning, Kittanning PA
- **Drug Recognition Expert School, Seven-Day School-February 2016**
PA State Police Southwest Training Center, Greensburg PA
Sponsored by the National Highway Traffic Safety Administration and the International Association of Chiefs of Police
- **Drug Recognition Expert School, Two-Day Pre School-February 2016**
PA State Police Academy, Hershey PA
Sponsored by the National Highway Traffic Safety Administration and the International Association of Chiefs of Police
- **15th Annual Collision Reconstruction Seminar (24 Hours) -October 2015**
Ramada Inn and Conference Center, State College PA
- **DataMaster Maintenance Officer – July 2015**
Southwest Training Academy, Greensburg PA
- **Field Training Officer (FTO) – May 2015**
Northwest Training Center, Meadville PA
- **Advanced Roadside Impaired Driving Enforcement (ARIDE) – February 2015**
Northwest Training Center, Meadville PA
- **SFST Instructor – December 2014**
PA State Police Academy, Hershey PA
- **14th Annual Collision Reconstruction Seminar (24 Hours) -September 2014**
Ramada Inn and Conference Center, State College PA
- **NHTSA CPS Conference – June 2014**
Penn Stater Conference Center, State College PA
Sponsored by the National Highway Traffic Safety Administration

- **NIK Public Safety Competency Level Course – May 2014**
PA State Police Academy, Hershey PA
- **DEPT Basic Criminal Interdiction (SHIELD) – May 2014**
PA State Police Academy, Hershey PA
- **13th Annual Collision Reconstruction Seminar (24 Hours)-September 2013**
Ramada Inn and Conference Center, State College PA
- **Child Passenger Safety Technician-October 2012**
Children’s Aid Society Mercer PA
- **12th Annual Collision Reconstruction Seminar (24 Hours)-September 2012**
Ramada Inn and Conference Center, State College PA
- **Statement Analysis – June 2012**
Southwest Training Academy, Greensburg PA
- **PA State Inspection – May 2012**
Jefferson County – Dubois Area Vocational Technical School, Reynoldsville PA
- **Crash Data Retrieval Technician Levels 1-2 (16 Hours) – March 2012**
Southeast Training Center, Schwenksville PA
- **DataMaster DMT Operator – November 2011**
Northwest Training Center, Meadville PA
- **Interview and Interrogation – October 2011**
Northwest Training Center, Meadville PA
- **11th Annual Collision Reconstruction Seminar (24 Hours) -September 2011**
Ramada Inn and Conference Center, State College PA
- **Internet Crime Investigation-August 2011**
Southwest Training Academy, Greensburg PA
- **Testifying In Court-April 2011**
Northwest Training Center, Meadville PA
- **Search and Seizure – March 2011**
Northwest Training Center, Meadville PA
- **10th Annual Collision Reconstruction Seminar (24 Hours) -September 2010**
Ramada Inn and Conference Center, State College PA
- **Enforcement of the Pennsylvania Vehicle Inspection Regulations-September 2010**
Troop C Punxsutawney Barracks, Punxsutawney PA
Sponsored by the PA Department of Education and the Institute for Law Enforcement Education

- **Collision Reconstruction (80 Hours) -March 2010**
Allegheny County Police Academy -Pittsburgh PA
- **Technical Collision Investigation (80 Hours)-March 2010**
PA State Police Academy-Hershey PA
- **On Scene Collision Investigation-Level II (80 Hours)-February 2010**
Southwest Training Academy, Greensburg PA
- **FEMA- Introduction to the Incident Command System I-100 for Law Enforcement-July 2007**
PA State Police Academy, Hershey PA. Sponsored by the U.S. Department of Homeland Security
- **Standardized Field Sobriety Testing-June 2007**
PA State Police Academy, Hershey PA
- **On Scene Collision Investigation Level 1 (30 Hours) -June 2007**
PA State Police Academy, Hershey PA
- **FEMA-National Incident Management System an Introduction IS-700
June 2007**
PA State Police Academy, Hershey PA Sponsored by the U.S. Department of Homeland Security
- **College Algebra - Fall Term 2002-2003.**
University of Pittsburgh at Johnstown
- **Analytic Geometry and Calculus 1 - Fall Term 2003-2004.**
University of Pittsburgh at Johnstown
- **College Physics 1 - Fall Term 2004-2005.**
University of Pittsburgh at Johnstown
- **College Physics 2 - Spring Term 2004-2005.**
University of Pittsburgh at Johnstown
- **Pre-Calculus, Functions and Trigonometry - Spring Term 2002-2003.**
University of Pittsburgh at Johnstown
- **High School Physics**
Punxsutawney Area High School

TEACHING

- **Collision Reconstruction – January 13th – 17th, 2025**
Loyalsock Twp Fire Department, Williamsport, PA (40 hours)
- **On Scene Collision Investigation – October 28th- November 8th, 2024**
Southeast Training Center, Schwenksville, PA (80 hours)

January 2025

- **Basic Collision Investigation, PA State Police 170th Cadet Class – September 6th – 8th, 2024**
PA State Police Academy, Hershey PA (24 Hours)
- **Pedestrian/Bicycle Collision Investigation – July 15th – 19th, 2024**
Peters Township Police Department, McMurray, PA (40 hours)
- **Technical Collision Investigation – June 3rd – 14th, 2024**
PA State Police Northeast Training Center, Wilkes Barre, PA (80 hours)
- **Basic Collision Investigation, PA State Police 169th Cadet Class – February 2nd – 4th, 2024**
PA State Police Academy, Hershey PA (24 Hours)
- **Collision Reconstruction – January 8th – 19th, 2024**
Peters Township Police Department, McMurray, PA (80 hours)
- **Basic Collision Investigation, PA State Police 168th Cadet Class – September 22nd – 24th, 2023**
PA State Police Academy, Hershey PA (24 Hours)
- **Technical Collision Investigation – July 17th – 21st, 2023**
Peters Township Police Department, McMurray, PA (80 hours)
- **Standardized Field Sobriety Testing Refresher – May 11th, 2023**
Indiana University of Pennsylvania, Punxsutawney PA (Assist 4 Hours)
- **On Scene Collision Investigation – March 13th- 17th 2023**
Northwest Training Center, Meadville PA (40 hours)
- **Collision Reconstruction – January 17th – January 18th, 2023**
Central PA Institute, Bellefonte PA (Assist 1 hour)
- **On Scene Collision Investigation – November 2022**
Peters Township Police Department, McMurray, PA (40 hours)
- **Standardized Field Sobriety Testing Refresher – May 4th, 2022**
PSP Punxsutawney (Assist 4 Hours)
- **Standardized Field Sobriety Testing Refresher – May 2nd, 2022**
PSP Punxsutawney (Assist 4 Hours)
- **Standardized Field Sobriety Testing Refresher – April 27th, 2022**
PSP Punxsutawney (4 Hours Lead Instructor)
- **Standardized Field Sobriety Testing Refresher – April 25th, 2022**
PSP Punxsutawney (4 Hours Lead Instructor)
- **Standardized Field Sobriety Testing Refresher – April 20th, 2022**
PSP Punxsutawney (Assist 4 Hours)

- **Standardized Field Sobriety Testing Refresher – April 18th, 2022**
PSP Punxsutawney (Assist 4 Hours)
- **Collision Reconstruction – March 28th – April 8th, 2022**
Patton Township Police Department, State College PA (Assist 40 Hours)
- **Advanced Roadside Impaired Driving Enforcement – May 7th-8th, 2022**
Lawrence Township Police Department, Clearfield PA (Assist 16 Hours)
- **On Scene Collision Investigation-Level II - February 2022**
Loyalsock Volunteer Fire Company Williamsport, PA (Assist 18 hours)
- **Advanced Roadside Impaired Driving Enforcement – May 2021**
Trinity Point Church of God, Clarion, PA (Assist 16 Hours)
- **Collision Reconstruction - April 2021**
Southwest Training Academy, Greensburg PA (Assist 40 Hours)
- **On Scene Collision Investigation-Level II - March 2021**
Southwest Training Academy, Greensburg PA (Assist 12 Hours)
- **Standardized Field Sobriety Testing Refresher – August 2020**
Elk County Department of Emergency Services (4 Hours Lead Instructor)
- **Standardized Field Sobriety Testing Refresher – August 2020**
Falls Creek Fire Department (4 Hours Lead Instructor)
- **Standardized Field Sobriety Testing Refresher – August 2020**
Elk County Department of Emergency Services (4 Hours Lead Instructor)
- **Standardized Field Sobriety Testing Refresher – August 2020**
Falls Creek Fire Department (4 Hours Lead Instructor)
- **Current Drug Identification Trends Presentation – December 3rd, 2019**
Clarion County Career Center, Shippenville PA (1 Hour Lead Instructor)
- **Advanced Roadside Impaired Driving Enforcement – September 10th-11th 2019**
Trinity Point Church of God, Clarion, PA (Assist 16 Hours)
- **Advanced Roadside Impaired Driving Enforcement – April 8th-9th, 2019**
Ridgway Emergency Management Site (Assist 16 Hours)
- **PA State Police 155th Cadet Class – Standardized Filed Sobriety Testing - March 8th-9th 2019 (DRE)**
PA State Police Academy, Hershey PA
- **Advanced Roadside Impaired Driving Enforcement – March 4th-5th, 2019**
Ridgway Emergency Management Building (Assist 16 Hours)

- **Advanced Roadside Impaired Driving Enforcement – April 2018**
PSP Punxsutawney (Assist 16 Hours)
- **PA State Police 151st Cadet Class – Standardized Filed Sobriety Testing - January 5th-6th 2018 (DRE)**
PA State Police Academy, Hershey PA
- **Advanced Roadside Impaired Driving Enforcement – September 2017**
PSP Punxsutawney (Assist 16 Hours)
- **Standardized Field Sobriety Testing Refresher – July 2017**
PSP Punxsutawney (Assist 4 Hours)
- **PA State Police 147th Cadet Class – Standardized Filed Sobriety Testing -October 28th-29th 2016 (DRE)**
PA State Police Academy, Hershey PA

DEPARTMENT RECOGNITION

- Troop C Trooper of the Month - September 2014
- Significant Operation Service Award Hurricane Sandy response New Jersey – November 2012
- Significant Operation Service Award Lewistown Incident – June 17th, 2023
- Significant Operation Service Award Warren County Manhunt – July 15, 2023

EXPERT TESTIMONY

- Indiana County 01/24/2019 District Court
- McKean County 04/12/2019 District Court
- Indiana County 11/03/20 Common Pleas Court
- McKean County 08/27/21 Common Pleas Court
- McKean County 08/25/22 Common Pleas Court
- McKean County 01/26/23 Common Pleas Court