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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**

- November 2017 - Present, C.A.R.S 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, Pennsylvania State Police Cadet

## TRAINING

- **Advanced Collision Reconstruction with CDR Applications (40 Hours) – February 5<sup>th</sup>-9<sup>th</sup>, 2024**  
Lancaster County Public Safety Training Center, Presented by Greg Russell
- **Nighttime Crash Scene Investigation - National Association of Professional Accident Reconstruction (2 Hours) – January 4<sup>th</sup>, 2024**  
Online presentation by Dr. Jeffrey Muttart, ACTAR
- **Monte Carlo Analysis - National Association of Professional Accident Reconstruction (2 Hours) – December 15<sup>th</sup>, 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 17<sup>th</sup>, 2023**  
Online presentation by Wade Bartlett, ACTAR
- **2023 PSP 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
- **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 28<sup>th</sup>, 2023**  
Online presentation by James Loftis, ACTAR, ASE Technician
- **Ignition Cyclopedia - National Association of Professional Accident Reconstruction: (2 Hours) – May 12<sup>th</sup>, 2023**  
Online presentation by Kent Boots, ACTAR
- **2023 World Reconstruction Exposition (WREX) (40 Hours)**  
Rosen Shingle Creek, Orlando, FL
- **Human Factors in Crash Reconstruction - National Association of Professional Accident Reconstruction: (2 Hours) – April 4<sup>th</sup>, 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 24<sup>th</sup>, 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 23<sup>rd</sup>, 2023**  
PSP Punxsutawney, Punxsutawney PA
- **Utilizing Pix4Dmapper in Collision Reconstruction Presented by the Pennsylvania State Police Bureau of Patrol (16 hours) February 16<sup>th</sup> – 17<sup>th</sup> 2023**  
PSP Punxsutawney, Punxsutawney PA
- **Spin Analysis - National Association of Professional Accident Reconstruction: (2 Hours) – November 16<sup>th</sup>, 2022**  
Online presentation by George H Meinschein, P.E.
- **Bendix Pro Software - National Association of Professional Accident Reconstruction: (2 Hours) – November 4<sup>th</sup>, 2022**  
Online presentation by Tommy Sturdivan
- **Momentum Refresher - National Association of Professional Accident Reconstruction: (2 Hours) – October 28<sup>th</sup>, 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 (40 Hours) - January 2022**  
Hilton Garden Inn, Allentown PA
- **Tire Analysis and Forensics 101 (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 (40 Hours) - December 2021**  
Toftrees Golf Resort, State College PA

- **20<sup>th</sup> 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 2<sup>nd</sup> -4<sup>th</sup> 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 14<sup>th</sup> 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 14<sup>th</sup> – 18<sup>th</sup> 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 16<sup>th</sup> – 20<sup>th</sup> 2019**  
Southwest Training Academy, Greensburg PA
- **19<sup>th</sup> 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 (40 Hours)
- **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

- **18<sup>th</sup> 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
- **17<sup>th</sup> 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
- **16<sup>th</sup> 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
- **15<sup>th</sup> 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
- **14<sup>th</sup> 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
- **13<sup>th</sup> 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
- **12<sup>th</sup> 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 Certification – 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
- **11<sup>th</sup> 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
- **10<sup>th</sup> 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
- **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
- **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
- **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

- **Basic Collision Investigation, PA State Police 169<sup>th</sup> Cadet Class – February 2<sup>nd</sup> – 4<sup>th</sup> 2024**  
PA State Police Academy, Hershey PA (Assist 24 hours)
- **Collision Reconstruction – January 8<sup>th</sup> – 19<sup>th</sup> 2024**  
Peters Township Police Department, McMurray, PA (Assist 40 hours)
- **Basic Collision Investigation, PA State Police 168<sup>th</sup> Cadet Class – September 22<sup>nd</sup> – 24<sup>th</sup> 2023**  
PA State Police Academy, Hershey PA (Assist 24 hours)
- **Technical Collision Investigation – July 17<sup>th</sup> – 21<sup>st</sup> 2023**  
Peters Township Police Department, McMurray, PA (Assist 40 hours)
- **Standardized Field Sobriety Testing Refresher – May 11<sup>th</sup> 2023**  
Indiana University of Pennsylvania, Punxsutawney PA (Assist 4 hours)
- **On Scene Collision Investigation – March 13<sup>th</sup> – 17<sup>th</sup> 2023**  
Northwest Training Center, Meadville PA (Assist 40 hours)
- **Collision Reconstruction – January 17<sup>th</sup> – January 18<sup>th</sup>, 2023**  
Central PA Institute, Bellefonte PA (Assist 16 hours)
- **On Scene Collision Investigation-Level II – November 2022**  
Peters Township Police Department, McMurray, PA (Assist 40 hours)
- **Standardized Field Sobriety Testing Refresher – May 4<sup>th</sup>, 2022**  
PSP Punxsutawney (4 Hours Assist)
- **Standardized Field Sobriety Testing Refresher – May 2<sup>nd</sup>, 2022**  
PSP Punxsutawney (4 Hours Assist)
- **Standardized Field Sobriety Testing Refresher – April 27<sup>th</sup>, 2022**  
PSP Punxsutawney (4 Hours Lead Instructor)
- **Standardized Field Sobriety Testing Refresher – April 25<sup>th</sup>, 2022**  
PSP Punxsutawney (4 Hours Lead Instructor)

- **Standardized Field Sobriety Testing Refresher – April 20<sup>th</sup>, 2022**  
PSP Punxsutawney (4 Hours Assist)
- **Standardized Field Sobriety Testing Refresher – April 18<sup>th</sup>, 2022**  
PSP Punxsutawney (4 Hours Assist)
- **Collision Reconstruction (40 Hours) – March 28<sup>th</sup> – April 8<sup>th</sup>, 2022 (Assist)**  
Patton Township Police Department, State College PA
- **Advanced Roadside Impaired Driving Enforcement – May 7<sup>th</sup>-8<sup>th</sup>, 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 (40 Hours) - April 2021 (Assist)**  
Southwest Training Academy, Greensburg PA
- **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 (1 Hour) – December 3<sup>rd</sup>, 2019**  
Clarion County Career Center, Shippenville PA
- **Advanced Roadside Impaired Driving Enforcement – September 10<sup>th</sup>-11<sup>th</sup> 2019**  
Trinity Point Church of God, Clarion, PA (Assist 16 Hours)
- **Advanced Roadside Impaired Driving Enforcement – April 8<sup>th</sup>-9<sup>th</sup>, 2019**  
Ridgway Emergency Management Site (Assist 16 Hours)
- **PA State Police 155<sup>th</sup> Cadet Class – Standardized Filed Sobriety Testing - March 8<sup>th</sup>-9<sup>th</sup> 2019**  
PA State Police Academy, Hershey PA

- **Advanced Roadside Impaired Driving Enforcement – March 4<sup>th</sup>-5<sup>th</sup>, 2019**  
Ridgway Emergency Management Building (Assist 16 Hours)
- **Advanced Roadside Impaired Driving Enforcement – April 2018**  
PSP Punxsutawney (Assist 16 Hours)
- **PA State Police 151<sup>st</sup> Cadet Class – Standardized Filed Sobriety Testing - January 5<sup>th</sup>-6<sup>th</sup> 2018**  
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 147<sup>th</sup> Cadet Class – Standardized Filed Sobriety Testing -October 28<sup>th</sup>-29<sup>th</sup> 2016**  
PA State Police Academy, Hershey PA