

# Curriculum Vitae

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**J. Heath Stewart**  
**Impact Collision Analysis, LLC**  
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## Overview

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Mr. Stewart is the owner and founder of Impact Collision Analysis, LLC, an expert witness firm located in northwest Georgia specializing in collision investigation and reconstruction. Impact Collision Analysis provides collision consulting, investigation, and reconstruction services in civil matters for attorneys and insurance companies, both plaintiff and defense.

Mr. Stewart began his career over 20 years ago with the Georgia State Patrol. He trained in collision reconstruction at the Georgia Public Safety Training Center then received advanced training once becoming a member of the Georgia State Patrol's Specialized Collision Reconstruction Team (S.C.R.T.). In addition to the specialized training in the field of collision reconstruction received during his time as a state trooper, Mr. Stewart is ACTAR accredited and holds a Bachelor of Science in Mechanical Engineering degree and an Associate of Applied Science degree. His areas of expertise include forensic mapping, Bosch Crash Data Retrieval & Analyst, heavy truck data retrieval, automotive crash reconstruction, commercial vehicle reconstruction, motorcycle reconstruction, and bicycle/pedestrian reconstruction.

## Education

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<b>University of Tennessee at Chattanooga, Chattanooga, TN</b> Bachelor of Science in Mechanical Engineering <i>Magna cum Laude</i>	<b>December 2015</b>
<b>Chattanooga State Community College, Chattanooga, TN</b> Associate of Applied Science – General Engineering Concentration <i>Magna cum Laude</i>	<b>May 2013</b>
<b>Dalton State College, Dalton, GA</b> Transferred to Chattanooga State Community College	<b>1994-2011</b>
<b>Georgia Public Safety Training Center, Forsyth, GA</b> Georgia State Patrol 75 <sup>th</sup> Trooper School	<b>January 2000</b>
<b>Gordon Lee Memorial High School, Chickamauga GA</b>	<b>May 1993</b>

## Employment

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**Ringgold Police Department**  
*Ringgold, Georgia*  
**Sergeant (Part-time)**  
**2011 - Present**

Assists the city of Ringgold with collision investigations, training, special details, and occasionally regular patrol.

**Impact Collision Analysis, LLC**  
*Ringgold, Georgia*  
**Principal / Senior Reconstructionist**  
**2006 - Present**

Provides expert witness services, consulting, and collision reconstruction for attorneys and insurance companies. Has provided services for over 500 civil matters since 2006.

**Georgia State Patrol**  
*Atlanta, Georgia*  
**Trooper First Class**  
**1997 - 2007**

Began in 1997 as a Radio Operator in Madison, Georgia, typing and reviewing crash reports, as well as, dispatching troopers. Promoted to Cadet in 1999 and entered trooper school. Assigned to Cartersville as a trooper performing traffic enforcement and collision investigation. Assigned to SCRT 1 (Calhoun) in 2002, which is the division of GSP that investigates, reconstructs, and prosecutes vehicular homicide cases.

**Astec Industries**  
*Chattanooga, TN*  
**Engineering Assistant**  
**1995 - 1997**

Served as an assistant to the engineers in the research and development department. Duties included drafting, design, and field testing new equipment.

## Experience

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- Investigated over 480 collisions, minor to fatal, as a State Trooper in northwest Georgia
- Responded to, processed, and assisted in the investigation of over 260 fatal collisions as a member of the Specialized Collision Reconstruction Team
- Assigned as the lead investigator on 45 homicide by vehicle cases while a member of SCRT
- Responsible for the processing and investigation of the northbound side of I-75, in Catoosa County, of the fog induced collision involving 84 vehicles and 5 fatalities
- Assisted the Georgia Bureau of Investigation in the investigation of the Tri-State Crematory incident in 2003, where over 300 bodies were discovered, by mapping the 16-acre property and evidence in order to produce scale diagrams
- Experience in over 1500 combined law enforcement and civil collisions

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## Training

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▪ SCARs Reconstruction Conference, 40 Hours, Charleston, SC	07/21
▪ Aerial Photogrammetry Using PIX4D Mapper, 16 Hours, Forensic Mapping Solutions	03/21
▪ Symposium on Traffic Safety, 32 Hours, IPTM-Orlando, FL	05/18
▪ Bendix Safety Solutions, 4 Hours, Atlanta, GA	04/18
▪ Heavy Vehicle EDR/ECM Class, 40 Hours, Birmingham, AL	10/17
▪ Traffic Crash Analysis using Virtual Crash Simulation Software, 24 Hours, Nashville, TN	10/17
▪ Symposium on Traffic Safety, 32 Hours, IPTM-Orlando, FL	05/17
▪ TopCon 3D Laser Scanning w/ScanMaster, 16 Hours, Ringgold, GA	11/16
▪ Digital Forensics of Heavy Vehicle Event Data Recorders, 24 Hours, Univ. of Tulsa	11/14
▪ Estimating Speed Loss from Spin, 2 Hours, GPSTC Online	07/11
▪ ARC-CSI Conference, 28 Hours, Las Vegas, NV	06/10
▪ CDR User's Conference, 20 Hours, Houston, TX	01/09
▪ CDR Technician Instructor Course, 16 Hours, Houston, TX	01/08
▪ CDR User's Conference, 20 Hours, Houston, TX	01/08
▪ Photo Modeler, 24 Hours, Atlanta, GA	11/07
▪ SCARs Reconstruction Conference, 32 Hours, Charleston, SC	07/07
▪ Energy Methods in Collision Reconstruction, 40 Hours, IPTM-GPSTC	02/07
▪ 3D Studio Max Level II, 24 Hours, GPSTC	02/07
▪ 3D Studio Max Level I, 24 Hours, GPSTC	01/07
▪ AutoCAD 2007-3D Modeling, 24 Hours, GPSTC	01/07
▪ CDR Technician/Analyst Course, 40 Hours, APD	12/06
▪ Applied Physics for Collision Investigation, 40 Hours, IPTM-GPSTC	10/06
▪ Forensic Mapping Training, 5 Hours, GPSTC	06/06
▪ Pedestrian/Bicycle Reconstruction, 40 Hours, IPTM-GPSTC	02/06
▪ Commercial Vehicle Accident Reconstruction, 40 Hours, IPTM-GPSTC	10/05
▪ Firearms Training, 8 Hours, Rome P.D.	10/05
▪ Intoximeter Refresher Course, 4 Hours, GPSTC	09/05
▪ Motorcycle Accident Reconstruction, 40 Hours, IPTM-GPSTC	08/05

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▪ Crash Data Retrieval Tool User, 24 Hours, GPSTC	10/04
▪ Georgia State Patrol In-service, 24 Hours, GPSTC	10/04
▪ Georgia State Patrol In-service, 5 Hours, GPSTC	09/04
▪ G8 Protective Operations, 6 Hours, GPSTC	05/04
▪ Mobile Field Force Basic Course, 33 Hours, GPSTC	04/04
▪ Georgia State Patrol In-service, 3 Hours, GPSTC	04/04
▪ Evidence Presentation, 16 Hours, GPSTC	11/03
▪ P.O.S.T. Instructor Training, 80 Hours, GPSTC	10/03
▪ Georgia State Patrol In-service, 5 Hours, GPSTC	09/03
▪ Michelin Tire Damage Analysis Course, 8 Hours, GPSTC	08/03
▪ Judgmental Shooting Simulator Training, 1 Hours, GPSTC	07/03
▪ Crash Zone C.A.D., 12 Hours, GPSTC	07/03
▪ SCARs Reconstruction Conference, 40 Hours, Charleston, SC	07/03
▪ Photography for Criminal Investigation, 40 Hours, GPSTC	06/03
▪ Driver Simulator Training, 2 Hours, GPSTC	05/03
▪ Georgia State Patrol In-service, 16 Hours, GPSTC	02/03
▪ RADAR Recertification, 4 Hours, GPSTC	02/03
▪ Interviews and Interrogations, 40 Hours, GPSTC	01/03
▪ Georgia State Patrol In-service, 4 Hours, GPSTC	10/02
▪ Southeastern Accident Reconstruction Conference Seminar, 40 Hours, Orange Beach, AL	08/02
▪ Traffic Accident Reconstruction Level V, 40 Hours, GPSTC	05/02
▪ Legal Update, 2 Hours, GPSTC	04/02
▪ Traffic Accident Reconstruction Level IV, 40 Hours, GPSTC	04/02
▪ Forensic Mapping, 40 Hours, SCRT1	03/02
▪ Traffic Accident Reconstruction Level III, 40 Hours, GPSTC	02/02
▪ Georgia State Patrol In-service, 16 Hours, GPSTC	01/02
▪ Georgia State Patrol In-service, 4 Hours, GPSTC	12/01
▪ Traffic Accident Reconstruction Level II, 24 Hours, GPSTC	11/01
▪ Time/Distance RADAR Function, 4 Hours, Dade County	10/01

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▪ Intoximeter Refresher Course, 4 Hours, GPSTC	09/01
▪ Traffic Accident Reconstruction Level I, 40 Hours, GPSTC	08/01
▪ EDST Operator Training Course, 8 Hours, Dade County	04/01
▪ Commercial Vehicle Interdiction, 2 Hours, GPSTC	03/01
▪ Georgia State Patrol In-service, 16 Hours, GPSTC	02/01
▪ Georgia State Patrol In-service, 4 Hours, GPSTC	10/00
▪ LASER Operator, 8 Hours, Whitfield County S.O.	06/00
▪ Georgia State Patrol In-service, 20 Hours, GPSTC	03/00
▪ Seventy-Fifth Trooper School, 1399 Hours, GPSTC	01/00
▪ Pursuit Driving, 24 Hours, GPSTC	09/99
▪ Drugs That Impair Driving, 8 Hours, GPSTC	09/99
▪ Standardized Field Sobriety Course, 30 Hours, GPSTC	09/99
▪ Courtroom Testimony and Demeanor, 16 Hours, GPSTC	09/99
▪ Hazardous Materials Awareness, 8 Hours, GPSTC	08/99
▪ Intoximeter Model 5000 Certification Course, 16 Hours, GPSTC	08/99
▪ RADAR Operator, 16 Hours, GPSTC	08/99
▪ On-Scene Accident Investigation Level II, 40 Hours, GPSTC	08/99
▪ On-Scene Accident Investigation Level I, 80 Hours, GPSTC	07/99
▪ Robbery, 6 Hours, GPSTC	02/99

***Total Training Hours: 3,057***

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## Teaching

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- On-Scene Level 2 – Cave Springs Police Academy
- Practical Applications for Physics – Gordon Lee High School
- CDR Technician – Fort Oglethorpe Police Department
- “The After, After Party” – Lakeview-Fort Oglethorpe High School Mock Crash / Prom Awareness
- Forensic Mapping Specialist – Ringgold Police Department

## Honors and Awards

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- Tau Beta Pi, Engineering Honor Society – 2015
- Commissioner’s Accommodation Award – 2007
- Operation Drive Smart of Georgia Award – 2006
- National Crime Victim’s Rights Award – 2004
- State of Georgia Team Award – 2003
- Highest Academic Average Award, 75<sup>th</sup> Trooper School – 2000

## Certifications

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- Accreditation Commission for Traffic Accident Reconstruction (ACTAR) #3289
- Basic Peace Officer
- RADAR Operator
- LASER Operator
- Georgia P.O.S.T. Certified – General Instructor
- Forensic Mapping Specialist
- Bosch Crash Data Retrieval System – Technician
- Bosch Crash Data Retrieval System - Analyst

## Professional Societies

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- Southeast Accident Reconstruction Society (SeARS)
- South Carolina Association of Reconstruction Specialists (SCARS)
- International Network of Collision Reconstructionists
- National Association of Professional Accident Reconstruction Specialists (NAPARS)
- Professional Society of Forensic Mapping Specialists
- CDR User’s Group

## Expert Deposition Testimony

<b><u>US NORTHERN DISTRICT OF ALABAMA</u></b>	<b>Middle Division</b>	2021
Plaintiff	<i>Kathy Vasser v. Tezi Express, LLC, et al.</i>	
	Attorney: Leon Ashford	
<b><u>Newton County</u></b>	<i>James Brown v. AAA Cooper Transportation, INC.</i>	2020
Civil Defense	Attorney: Brenden Dougherty	
<b><u>Fulton County</u></b>	<i>Webb v. SAC Wireless, LLC and Andrada</i>	2020
Plaintiff	Attorney: Tyler Schermerhorn	
<b><u>US NORTHERN DISTRICT OF GEORGIA</u></b>	<b>Atlanta Division</b>	2020
Civil Defense	<i>Pearson vs. DG Logistics, LLC and Werner Enterprises</i>	
	Attorney: Sean Cox	
<b><u>Cobb County</u></b>	<i>Gerardo Zurita v. Great Midwest Insurance</i>	2019
Plaintiff	Attorney: Edward Piasta	
<b><u>US EASTERN DISTRICT OF TENNESSEE</u></b>	<b>Chattanooga Division</b>	2019
Plaintiff	<i>Richards v. Dugger and URS Midwest, Inc.</i>	
	Attorney: Daniel Prieto	
<b><u>Bibb County</u></b>	<i>Beck v. Madaris Transportation, LLC</i>	2018
Civil Defense	Attorney: Matthew Stone	
<b><u>Douglas County</u></b>	<i>Henderson v. Garba</i>	2018
Plaintiff	Attorney: Sean Campbell	
<b><u>Sumter County</u></b>	<i>Estate of Larico Dixon v. Tystanic Travel, LLC</i>	2017
Civil Defense	Attorney: Shawn Kalfus	
<b><u>Fulton County</u></b>	<i>Kendrick v. Segan</i>	2017
Plaintiff	Attorney: Aaron Marks	
<b><u>Liberty County</u></b>	<i>Moore v. Eduardo Dominquez, et. al.,</i>	2017
Plaintiff	Attorney: Gerald Edenfield	

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<b><u>Clarke County</u></b>	<i>King v. Wise, VELSTAR Medical Transportation, INC.</i>	2017
Civil Defense	Attorney: Matthew Stone	

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<b><u>Fulton County</u></b>	<i>Toomey v. Lopez; Highway Transport Chemical</i>	2017
Plaintiff	Attorney: Bruce Millar	

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### **Expert Trial Testimony**

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#### **FEDERAL COURT**

<b><u>Newnan Division</u></b>	<i>Waldrop v. Ponce</i>	2015
Plaintiff	Attorney: Edward Piasta	

#### **STATE COURT**

<b><u>Coweta County</u></b>	<i>Robertson v. Gauvin</i>	2014
Plaintiff	Attorney: Steven J. Newton	

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