

Curriculum Vitae



M. Tharon Dukes
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Overview

Mr. Dukes is an Impact Collision Analysis accident reconstructionist and expert witness 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. Dukes began his career 37 years ago with the Georgia State Patrol. He trained in collision reconstruction at the Georgia Public Safety Training Center then received advanced training after becoming a charter member of the Georgia State Patrol's Specialized Collision Reconstruction Team (S.C.R.T.). Mr. Dukes was promoted throughout and ended his 30 years as the (S.C.R.T) Captain and commander supervising all S.C.R.T. teams throughout the state. In addition to the specialized training in the field of collision reconstruction received during his time as a state trooper, Mr. Dukes holds a Bachelor's Degree in Mechanical Engineering, from the Georgia Institute of Technology, and an Associate's Degree in Engineering from Gainesville State College. His areas of expertise include forensic mapping, Bosch Crash Data Retrieval, automobile crash reconstruction, commercial vehicle reconstruction, motorcycle reconstruction, and bicycle/pedestrian reconstruction.

Education

Georgia Institute of Technology Bachelor Degree in Mechanical Engineering	May 2016
Gainesville State College (University of North Georgia) Associate's Degree in Engineering	May 2013
Central Georgia Technical College 3D Animation Specialist Certificate	July 2008
Georgia Public Safety Training Center Georgia State Patrol 64 th Trooper School	March 1990
Stephens County High School	May 1984

Employment

Impact Collision Analysis, LLC
Ringgold, Georgia
Senior Reconstructionist
2016 - Present

Provides expert witness services, consulting, and collision reconstruction for attorneys and insurance companies.

**Department of Public Safety/
Georgia State Patrol**
Atlanta, Georgia
**1984 – 2012 (Retired after 30
years of service)**

Began in 1984 as a Senior Clerk at GSP main headquarters in Atlanta, Georgia. Responsible for mailroom duties for the Department of Public Safety Headquarters. Promoted in 1985 to Radio Operator in Athens and later transferred to Toccoa in 1988. Promoted to Trooper Cadet in 1988 and transferred to Dalton. Responsible for retrieving driver's licenses from those who have been revoked/suspended. In 1989, entered trooper school, graduating in March of 1990, and assigned to the Athens post. Promoted to Trooper First Class in March of 1992. In June 1997, selected to be one of twenty charter members of the newly created Specialized Collision Reconstruction Team. Responsible for investigating, reconstructing, and prosecuting vehicular homicide cases. Received P.O.S.T. General Instructor Certification in 1998. Promoted to Corporal in March 1999 supervising S.C.R.T. I and S.C.R.T. II teams. Promoted to Sergeant and assigned Team Leader S.C.R.T. II in September 2001. Promoted to Sergeant First Class in December 2003 assisting the S.C.R.T. Commander with the supervision of all S.C.R.T. teams throughout the state. Promoted to S.C.R.T. Lieutenant July 2006. Promoted to SCRT Captain and Commander of all S.C.R.T. teams in October 2011 and served in that capacity until retirement in June 2012 with 30 years of creditable service.

Experience

- Investigated over 750 collisions, minor to fatal, as a State Trooper all over Georgia
- Responded to, processed, and assisted in the investigation of over 250 fatal collisions as a member of the Specialized Collision Reconstruction Teams
- Assigned as the lead investigator on over 90 Homicide by Vehicle cases while a member of S.C.R.T.
- Experience in over 1000 combined law enforcement collisions as a field Trooper and member of the S.C.R.T.

Training

▪ IPTM Symposium on Traffic Safety	32	Hours	Jun-21
▪ Heavy Truck Reconstruction Techniques	24	Hours	Sep-20
▪ Aerial Photogrammetry Using Pix4D Mapper Software for Crash and Crime Scene Investigation	24	Hours	Jun-19
▪ South Carolina Association of Reconstruction Specialists (SCARS) Conference	36	Hours	Jul-18
▪ Bendix Safety Solutions/Demonstration	4	Hours	Apr-18
▪ Heavy Vehicle EDR-Data Preservation & Analysis	40	Hours	Oct-17
▪ Traffic Crash Analysis Using Virtual Crash	24	Hours	Oct-17
▪ ACTAR Preparation Comprehensive 2017 (IPTM)	40	Hours	Aug-17
▪ IPTM Symposium on Traffic Safety	32	Hours	May-17
▪ TopCon Laser Scanning Training	16	Hours	Dec-16
▪ Online Bosch Full CDR Technician (IPTM)	24	Hours	Oct-16
▪ Workplace Behavior Training	2	Hours	Mar-12
▪ Georgia Forestry Training	2	Hours	Mar-12
▪ G.S.P. In-Service	2	Hours	Oct-11
▪ G.S.P. In-Service	2	Hours	Apr-11
▪ G.S.P. Tactics on Technology Training	6	Hours	Mar-11
▪ Child Protection Seat Training/Certification (Barrow County Sheriff's Department)	33	Hours	Feb-11
▪ G.S.P. In-Service	7	Hours	Nov-10
▪ G.S.P. In-Service	4	Hours	Sep-10
▪ G.S.P. In-Service	2	Hours	Sep-10
▪ Security/Integrity of Criminal Justice	4	Hours	Aug-10
▪ S.C.R.T. In-Service	9	Hours	Aug-10
▪ G.S.P. In-Service	8	Hours	Jun-10
▪ G.S.P. In-Service	2	Hours	Apr-10
▪ Pursuit Intervention Technique Liability Training Child Abduction and Recovery Training	6	Hours	Dec-09

▪ R.A.D.A.R. Recertification	4 Hours	Nov-09
▪ G.S.P. In-Service	2 Hours	Oct-09
▪ G.S.P. In-Service	6 Hours	Sep-09
▪ Accident/Incident/R.M.S./Supervisor Training	12 Hours	Aug-09
▪ Mobile Data Terminal Computer Training	16 Hours	Jul-09
▪ G.S.P. In-Service	13 Hours	May-09
▪ L.I.D.A.R. Training	1 Hour	Apr-09
▪ L.I.D.A.R. Certification Training	8 Hours	Mar-09
▪ Harassment in the Work Place Training	2 Hours	Mar-09
▪ G.S.P. In-Service	4 Hours	Dec-08
▪ Computer Animation Training	10 Hours	Nov-08
▪ Pursuit Intervention Technique Liability Training	4 Hours	Oct-08
▪ G.S.P. In-Service	8 Hours	Oct-08
▪ Computer Animation Training	8 Hours	Oct-08
▪ Computer Animation Training	2 Hours	Sep-08
▪ Computer Animation Training	2 Hours	Aug-08
▪ Computer Animation Training	2 Hours	Jul-08
▪ Computer Animation Training	2 Hours	Jun-08
▪ Advanced Commercial Motor Vehicle Accident Investigation (IPTM)	40 Hours	Jun-08
▪ Computer Animation Training	3 Hours	May-08
▪ G.S.P. In-Service	13 Hours	May-08
▪ Computer Animation Training	2 Hours	Apr-08
▪ Computer Animation Training	2 Hours	Mar-08
▪ Purchasing Card Training	1 Hour	Jan-08
▪ Pursuit Intervention Technique Liability Training	8 Hours	Nov-07
▪ G.S.P. In-Service	8 Hours	Nov-07
▪ S.C.R.T. In-Service	32 Hours	Oct-07
▪ Computer Animation Training	5 Hours	Sep-07
▪ G.S.P. In-Service	6 Hours	Sep-07
▪ Administrative License Suspension Training	4 Hours	Aug-07

▪ Computer Animation Training	6	Hours	Aug-07
▪ G.S.P. In-Service	8	Hours	Jul-07
▪ ARC-CSI Crash Reconstruction Conference Las Vegas, Nevada	29	Hours	Jun-07
▪ NIMS 300 Training	24	Hours	Jun-07
▪ Computer Animation Training (3D Animation Specialist Certification Central Georgia Technical College)	56	Hours	Jun-07
▪ Computer Animation Training (3D Animation Specialist Certification Central Georgia Technical College)	39	Hours	May-07
▪ GSP In-Service	10	Hours	Mar-07
▪ 3D Studio Max Level II Computer Animation Training	16	Hours	Feb-07
▪ Damage Analysis in Traffic Crash Reconstruction	40	Hours	Feb-07
▪ 3D Studio Max Level I Computer Animation Training	46	Hours	Jan-07
▪ Ethics Training	4	Hours	Dec-06
▪ Pursuit Intervention Technique Liability Training	8	Hours	Oct-06
▪ R.A.D.A.R. Recertification	4	Hours	Sep-06
▪ Administrative License Suspension Training	2	Hours	Aug-06
▪ Human Factors in Traffic Crash Reconstruction	40	Hours	Aug-06
▪ Mobile Field Force In-Service Training	4	Hours	Jun-06
▪ G.S.P. In-Service	16	Hours	Apr-06
▪ G.C.I.C. Security Update Training	4	Hours	Dec-05
▪ Chase Critique Training	8	Hours	Nov-05
▪ Mobile Field Force In-Service Training	4	Hours	Nov-05
▪ Commercial Motor Vehicle Accident Investigation (IPTM)	40	Hours	Oct-05
▪ Pursuit Intervention Technique Liability Training	8	Hours	Oct-05
▪ G.S.P. In-Service	8	Hours	Sep-05
▪ Administrative License Suspension Training	2	Hours	Aug-05
▪ Performance Management Training	4	Hours	Aug-05
▪ G.S.P. Firearms Simulator	1	Hour	Jun-05
▪ G.S.P. In-Service	16	Hours	Feb-05
▪ S.C.R.T. In-Service	4	Hours	Feb-05

▪ G.S.P. In-Service	8 Hours	Jan-05
▪ Crash Data Retrieval User Tool Training	24 Hours	Oct-04
▪ G.S.P. In-Service	8 Hours	Sep-04
▪ G-8 Legal Training	8 Hours	May-04
▪ Gas Exposure Training	4 Hours	Apr-04
▪ Mobile Field Force Basic Training	33 Hours	Apr-04
▪ Management Level III	40 Hours	Oct-03
▪ Management Level II	40 Hours	Oct-03
▪ R.A.D.A.R. Recertification	4 Hours	Sep-03
▪ G.S.P. In-Service	8 Hours	Sep-03
▪ Management Level I	40 Hours	Aug-03
▪ Crashzone Collision Diagramming	40 Hours	Jul-03
▪ G.S.P. Firearms Simulator	1 Hours	Jun-03
▪ G.S.P. In-Service	16 Hours	Mar-03
▪ G.S.P. In-Service	4 Hours	Oct-02
▪ G.S.P. In-Service	14 Hours	Jun-02
▪ Performance Management Training	8 Hours	Jun-02
▪ S.C.R.T. In-Service	6 Hours	Feb-02
▪ G.S.P. Mobile Driving Simulator	2 Hours	Jan-02
▪ S.C.R.T. In-Service	16 Hours	Jan-02
▪ Intoxilyzer Refresher Course	4 Hours	Oct-01
▪ G.S.P. In-Service	4 Hours	Sep-01
▪ MapScenes Computer Software Training	24 Hours	Jun-01
▪ Supervision Level III	40 Hours	Jun-01
▪ G.S.P. In-Service	16 Hours	May-01
▪ Supervision Level II	40 Hours	Dec-00
▪ G.S.P. In-Service	4 Hours	Oct-00
▪ R.A.D.A.R. Recertification	4 Hours	Oct-00
▪ WREX2000 World Reconstruction Exposition (College Station, Texas)	36 Hours	Sep-00
▪ Supervision Level I	40 Hours	May-00
▪ G.S.P. In-Service	20 Hours	Mar-00

▪ G.S.P. In-Service	8 Hours	Oct-99
▪ Collision-Lamp Examination (Valdosta Police Department)	7 Hours	Sep-99
▪ Intoxilyzer Refresher Course	4 Hours	Aug-99
▪ Pursuit Intervention Training	24 Hours	Aug-99
▪ Commercial Vehicle Inspection (Texas A & M University)	40 Hours	Jun-99
▪ Vehicle Damage / Energy Relationships (Texas A & M University)	40 Hours	Apr-99
▪ G.S.P. In-Service	16 Hours	Mar-99
▪ Security/Integrity of Criminal Justice Information	4 Hours	Mar-99
▪ VC2000 Accelerometer Training (Vericom Computers)	8 Hours	Mar-99
▪ Winning the DUI Crash Case	8 Hours	Dec-98
▪ Southeastern Reconstruction Conference (South Carolina Highway Patrol)	24 Hours	Nov-98
▪ G.S.P. In-Service	8 Hours	Oct-98
▪ G.S.P. In-Service	20 Hours	May-98
▪ Crime Scene Processing	1 Hour	May-98
▪ G.S.P. In-Service	8 Hours	Feb-98
▪ Sokkia C/P/X Seminar (Professional Society of Forensic Mapping)	24 Hours	Feb-98
▪ Michelin Tire Damage Analysis	8 Hours	Feb-98
▪ Field Training Officer Update	4 Hours	Jan-98
▪ Forensic Mapping Total Stations	120 Hours	Dec-97
▪ Vehicular Homicide Prosecution	40 Hours	Dec-97
▪ R.A.D.A.R. Recertification	4 Hours	Dec-97
▪ D.O.T. Rules and Regulations	8 Hours	Dec-97
▪ Stress Management	20 Hours	Dec-97
▪ Interviews and Interrogations	40 Hours	Nov-97
▪ Crime Scene Evidence Collection	40 Hours	Nov-97
▪ Applied Physics (Texas A & M University)	40 Hours	Nov-97
▪ P.O.S.T. Instructor School	80 Hours	Oct-97
▪ Pedestrian / Bicycle Reconstruction (Texas A & M University)	40 Hours	Oct-97
▪ Photography	40 Hours	Oct-97

▪ Commercial Vehicle Reconstruction Level II	40	Hours	Sep-97
▪ Child Safety Seat Training (University of Georgia)	3	Hours	Sep-97
▪ Commercial Vehicle Reconstruction Level 1	40	Hours	Sep-97
▪ G.S.P. In-Service	20	Hours	Sep-97
▪ Commercial Vehicle Air Brake School	24	Hours	Aug-97
▪ Motorcycle Accident Reconstruction (Texas A & M University)	40	Hours	Aug-97
▪ Collision Diagramming	40	Hours	Aug-97
▪ Windows 95 Computer Training	40	Hours	Aug-97
▪ Accident Reconstruction Level V	40	Hours	Jul-97
▪ Accident Reconstruction Level IV	40	Hours	Jul-97
▪ Midland-Grau Air Brake School	24	Hours	Jul-97
▪ Accident Reconstruction Level III	24	Hours	Jun-97
▪ Accident Reconstruction Level II	40	Hours	Jun-97
▪ Accident Reconstruction Level I	40	Hours	Jun-97
▪ On Scene Investigation Level II	40	Hours	Jun-97
▪ Field Training Officer Training	40	Hours	Jan-97
▪ R.A.D.A.R. Recertification	4	Hours	Oct-96
▪ Olympic Security Training	20	Hours	Jun-96
▪ Accident Reconstruction Level V	40	Hours	Apr-96
▪ Accident Reconstruction Level IV	40	Hours	Mar-96
▪ Accident Reconstruction Level III	24	Hours	Feb-96
▪ Intoxilyzer Refresher Course	4	Hours	Feb-96
▪ Accident Reconstruction Level II	40	Hours	Dec-95
▪ G.S.P. In-Service	4	Hours	Oct-95
▪ Accident Reconstruction Level I	40	Hours	Aug-95
▪ R/R Grade Crossing Incident Management	24	Hours	Jun-95
▪ G.S.P. In-Service	20	Hours	Feb-95
▪ On Scene Investigation Level II	40	Hours	Jan-95
▪ G.S.P. In-Service	24	Hours	Nov-94
▪ R.A.D.A.R. Recertification	4	Hours	Oct-94
▪ G.S.P. In-Service	24	Hours	Nov-93

▪ Survival Spanish	24	Hours	Mar-93
▪ Post Public Information Officer Training	8	Hours	Dec-92
▪ G.S.P. In-Service	16	Hours	Nov-92
▪ R.A.D.A.R. Recertification	4	Hours	Oct-92
▪ G.S.P. In-Service	16	Hours	May-92
▪ G.S.P. In-Service	16	Hours	Nov-91
▪ G.S.P. In-Service	16	Hours	May-91
▪ Federal Civil Rights Law	4	Hours	May-91
▪ Technical Accident Investigation	80	Hours	Apr-91
▪ Narcotics Interdiction	16	Hours	Mar-91
▪ G.S.P. In-Service	24	Hours	Nov-90
▪ 64 th G.S.P. Trooper School (On Scene Investigation, 80 Hours Intoximeter 3000 certified, 16 Hours R.A.D.A.R. certified, 24 Hours V.A.S.C.A.R. training, 8 Hours)	1260	Hours	Mar-90
▪ Georgia P.O.S.T. Mandate School	240	Hours	Jul-88
▪ Privacy and Security	40	Hours	Mar-88

Total Training Hours: 5,001

Teaching

- Accident Reconstruction Level 1 – Georgia Public Safety Training Center
- Advanced Accident Reconstruction – Tennessee Highway Patrol Training Academy
- Accident Reconstruction Level 1 – Georgia State Patrol In-Service
- Various Accident Investigation Training – Georgia State Patrol Trooper Schools and In-Services

Certifications

- Basic Peace Officer
- R.A.D.A.R. Operator
- Intoximeter 3000 / Intoxilyzer 5000 Operator
- Public Information Officer
- Field Training Officer
- Georgia P.O.S.T. Certified – General Instructor
- Forensic Mapping Specialist
- 3D Computer Animation Specialist
- Child Safety Seat Technician
- Bosch Crash Data Retrieval System – Technician
- Accreditation Commission for Traffic Accident Reconstruction (ACTAR) #3280

Professional Societies

- National Association of Professional Accident Reconstruction Specialists, Inc. (NAPARS)
- Accreditation Commission for Traffic Accident Reconstruction (ACTAR)
- South Carolina Association of Reconstruction Specialists (SCARS)
- Professional Society of Forensic Mapping Specialists
- CDR User's Group

Expert Deposition Testimony

<u>Greene County</u>	<i>Jennifer Lynn McGill and Paul McGill v. Robert E. McGill</i>	2017
Plaintiff	Attorney: Ben Windham	
<u>Fulton County</u>	<i>Denita Johnson v. Fulton County, Georgia</i>	2018
Defendant	Attorney: Emily Hirst	
<u>Shelby County, TN</u>	<i>Damien Chambers and Brandy Chambers v. Stabilization, Inc. v. Stabilization Inc. and Louis T. Bowen</i>	2018
Plaintiff	Attorney: Andrew M. Horvath	
<u>US District for Northern Alabama</u>	<u>Western Division</u>	2019
Defendant	<i>Erika Lynn Watkins v. Richard Benoit</i>	
<u>Gwinnett County</u>	Attorney: Jeremy Hazelton	
Defendant	<i>John Perry v. Southway Crane & Rigging-Atlanta, LLC, Southway Crane & Rigging-Macon, LLC, and John Doe(s)</i>	2019
<u>US District for Northern Georgia</u>	Attorney: Marc Bardack	
Plaintiff	<u>Atlanta Division</u>	2019
<u>US District for Middle Georgia</u>	<i>Ronald Simms v. Western International Gas & Cylinders, Inc., Ace American Insurance Company, and Kelvin King</i>	
Plaintiff	Attorney: Robert M. Hammers	
<u>Polk County, TN</u>	<u>Columbus Division</u>	2019
Plaintiff	<i>Diane Marshall, as spouse of Shawn Marshall, deceased, v. Hector Kyrkiris, Robert Brignall, Highstreams Holding, Inc., and Economical Mutual Insurance Company</i>	
<u>State Board of Worker's Compensation, GA</u>	Attorney: Shaun Cade	
Defendant	<i>Leonna Emerson, Individually and as Guardian and Next Best Friend of Joshua Emerson, a minor, v. Faith Harvieux and Michael Harvieux</i>	2019
Plaintiff	Attorney: Ryan Evans	
<u>State Board of Worker's Compensation, GA</u>	<i>Brittany Heyward v. Cummings Contract Delivery Services Corp. and National Liability & Fire Ins. Co.</i>	2021
Defendant	Attorneys: Nathan Levy and Taylor Martin	

<u>US District for Eastern Missouri</u>	<i>Ernest "Frank" Parsley and Lynne Parsley v. XPO Logistics Freight, Inc. and Aubrey Payne v. Aubrey Payne and Ozark Motor Lines, Inc.</i>	2021
Plaintiff	Attorney: Kristina Woo	
<u>Gwinnett County</u>	<i>Donna Lee Daugherty, individually and Donna Lee Daugherty as Administratrix of the estate of Norman Eugen Daugherty, Jr., deceased v. YRC INC. and YRC INC. d/b/a YRC Freight; Larry D. Ingram; and Luis Burgos</i>	2021
Defendant	Attorney: Scott Moulton	

Expert Trial Testimony

SUPERIOR COURT <u>Greene County</u>	<i>Jennifer Lynn McGill and Paul McGill v. Robert E. McGill</i>	2017
Plaintiff	Attorney: Ben Windham	

- Accepted as an expert in the field of Accident Investigation and Accident Reconstruction in Superior and State Courts throughout the State of Georgia. Expert testimony given in the furtherance of criminal vehicular homicide prosecutions while employed as a Trooper with the Georgia State Patrol.