



Education

BS, Mechanical Engineering,
Clemson University, 2002

MS, Mechanical Engineering,
Purdue University, 2011

Role at J.S. Held

Mr. Black is a testifying expert for motor vehicle accidents. He is based in Charlotte, North Carolina and serves as the area lead for North Carolina, South Carolina, Georgia, Alabama, Virginia, Maryland, West Virginia, Tennessee, and Kentucky.

Project Geographical Experience

U.S.

Languages

English

Contact

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Summary of Experience

Tyler Black specializes in forensic engineering and accident reconstruction. He investigates and analyzes motor vehicle collisions, providing engineering insight as clients navigate vehicle accident litigation. With over 15 years of experience, Mr. Black provides consulting and expert services for both plaintiff and defense law firms, commercial vehicle fleets, and insurance clients throughout the country. He has evaluated over 1000 matters and employs the latest technology in the preservation of evidence and reconstruction of accidents.

Testifying Experience

Tyler began testifying in 2010, and has testified in mediations, depositions, and trials in several states.

Professional Licensure & Certifications

Registered Professional Engineer in South Carolina #25771

Registered Professional Engineer in North Carolina #041619

Registered Professional Engineer in Georgia #039937

Society of Automotive Engineers (SAE) Certified Accident Reconstructionist

ACTAR Accredited Accident Reconstructionist #2548

Certified Small Unmanned Aircraft System (SUAS/Drone) Remote Pilot

Professional Affiliations/Memberships

Society of Automotive Engineers (SAE), Member, Producer – Data Collection & Archiving Standards Committee

American Society of Mechanical Engineers (ASME)

National Association of Professional Accident Reconstructionists (NAPARS)

South Carolina Association of Reconstruction Specialists (SCARS)

Tau Beta Pi Honorary Engineering Fraternity

Specialized Expertise

Heavy Truck Accident Reconstruction

Vehicle Event Data Recorders

Vehicle Rollover Accidents

Pedestrian Accident Reconstruction

Bicycle Accident Reconstruction

Motorcycle Accident Reconstruction

ATV, Side-by-Side, Golf Cart Accidents

Hydraulic & Air Brake Systems

ADAS, Active Safety Systems, Collision Mitigation & Avoidance

Human Factors

Driver Response Times

Lighting & Visibility

Simulations, Animations

Tire Failures

Photogrammetry

Video Analysis

Work Experience

J.S. Held, LLC
Senior Engineer, Area Lead
2022 – Present

DELTA |v| Forensic Engineering
Senior Engineer
2014 – 2022

Engineering Experts, Inc
Mechanical Engineer
2007 – 2014

South Carolina Electric & Gas
Electrical Distribution Project Engineer
2002 – 2007

Speaking Engagements

2009 *Working with Mechanical Engineers*, SC. Presented to SC Trial Lawyers Association with Ken Richardson and Martin Schussel of Engineering Experts, Inc.

2015 *Private Sector Approach to Accident Reconstruction*, Charlotte, NC. Presented to NC Conference of District Attorneys and NCSHP at 2015 Lethal Weapons Conference with Matthew DiSogra and Thomas Bemont.

2023 *Winning the Golden First 48 Hours*, Charlotte, NC. Presented to Defense Research Institute member attorneys at DRI Trucking Essentials Seminar with Nick Rauch, Tara Karch Cross, and Darrell Flesner.

Professional Development

2023 *World Reconstruction Exposition (WREX)*, Orlando, FL. Presentations on topics including video analysis, EDR & HVEDR, ADAS, human factors, and photogrammetry. Live crash testing involving cars, heavy trucks, buses, motorcycles, pedestrians, bicyclists, etc.

2023 *Recon-3D Online Training*, www. Presented by Eugene Liscio, P.Eng.

2023 *NAPARS Course – Heavy Vehicle Collision Mitigation Systems*, www. Presented by David Plant, Wes Grimes, & Tim Cheek.

2022 *SAE World Congress*, Detroit MI. Presentation of the latest peer-reviewed research in Automotive Engineering and Accident Reconstruction, including EDR, autonomous and connected vehicles, drone technology, lighting, human factors, motorcycles.

2021 *SAE Course – Vehicle Crash Reconstruction: Principles & Technology*, Oxnard, CA. Presented by Neal Carter & Jason Zeitler.

2021 *SAE Course – Reconstruction & Analysis of Rollover Crashes of Light Vehicles*, www. Presented by Gray Beauchamp.

2020 *NAPARS Joint Conference*, www. *Motorcycle Leaning, Turning & Swerving* presented by Wade Bartlett; *Investigating & Reconstructing Rollover Crashes* presented by John Daily; *Considering Tires in Your Investigation* presented by T.J. Tennent; *Using GoPro for Skid Testing & GoPro/Vbox Sport Data Import* presented by Gregory Russell.

2019 *SAE Course – Applied Vehicle Dynamics*, Greer, SC. Presented by James Walker, Jr at BMW Performance Center.

2018 *SAE World Congress*, Detroit, MI. Presentation of the latest peer-reviewed research in Automotive Engineering and Accident Reconstruction, including EDR, autonomous and connected vehicles, crash testing, lighting, human factors, motorcycles.

2018 *SAE Course – Introduction to Highly Automated Vehicles*, Detroit, MI. Presented by Jeffery Blackburn.

2017 SAE Webinar – Automated Driving Standards, www. Presented by Barbara Wendling, Principal Engineer, Automated Driving for Mercedes Benz R&D North America; Daniel Bartz, Automated Vehicle Engineer/Strategist, Fiat Chrysler Automobiles.

2017 SAE Course – Applying Automotive EDR Data to Traffic Crash Reconstruction, SAE International, Troy, MI. Presented by Rick Ruth

2017 Bosch Full CDR Technician, IPTM, Charlotte, NC & www.

2016 Motorcycle Safety Foundation eCourse – Fundamentals in Motorcycle Safety and Operation, www.

2016 Motorcycle Basic Rider Course, Central Piedmont Community College, Charlotte, NC. MSF endorsed motorcycle safety education.

2016 Advanced Crash Reconstruction Utilizing Human Factors Research, Northwestern University Center for Public Safety, Evanston IL. Presented by Jeff Muttart.

2015 SAE World Congress, Detroit, MI. Presentation of the latest peer-reviewed research in Automotive Engineering and Accident Reconstruction, including HVEDR, CDR, autonomous and connected vehicles, crash testing, lighting, human factors.

2015 SAE Webinar – The Future of Crash Testing, www. Presented by Becky Mueller, Senior Research Engineer at IIHS/HLDI; Mark Schrank on 3DS; Jean-Michel Terrier, Senior Direction RADIOSS development with Altair Corp; Gary Heydinger, PhD, PE, Director of Vehicle Dynamics, SEA.

2015 SAE Webinar – Advanced Driver Assistance Systems, www. Presented by Jeremy Carlson, HIS Automotive; Andrew Whydell, TRW; Michael Sayers, Mechanical Simulation; Andrew Rolfmeier, dSPACE GmbH.

2014 SAE Course – Accessing and Interpreting Heavy Vehicle Event Data Recorders, SAE International, Charlotte, NC. Presented by Tim Cheek, David Plant, and Tim Austin.

2014 Bendix Air Brake School, Huntersville, NC.

2013 SC Accident Reconstruction Specialists conference, Mt Pleasant, SC. Live instrumented crash testing. Presented by Allen Powers (Event Data Recorders), Brad Muir (Crash Data Retrieval), Ronnie Crosby & Ralph Cunningham (Tire Failures), Don Floyd (seatbelts)

2011 SC Accident Reconstruction Specialists conference, Mt Pleasant, SC. Live instrumented crash testing. Presented by Jeff Muttart (Human Factors), Brad Muir & Greg Russell (Crash Data Retrieval).

2007 Advanced Traffic Crash Reconstruction, Institute of Police Technology & Management (IPTM), University of North Florida, Jacksonville, FL.