



Curriculum Vitae

Clayton K. McCall, B.S.M.E.
Forensic Consultant



Professional Profile

Mr. McCall is a degreed Mechanical Engineer and accident reconstruction consultant with over 20 years of experience in the investigation, analysis, and evaluation of vehicle collisions and Transportation Safety incidents. Over the course of his practice, Mr. McCall has managed hundreds of accident reconstruction engineering projects evaluating the vehicular, roadway, and driver factors related to incidents involving all modes of travel, including passenger vehicle, commercial vehicle, motorcycle, ATV, bicycle, pedestrian, industrial equipment, site development, work zone maintenance of traffic, and highway-rail grade crossings.

At Focus Forensics, he applies his broad and deep mechanical and automotive engineering experience to data collection, testing, 3D modeling, vehicle dynamics evaluation, verbal and written communication, and visual demonstration of engineering concepts. Mr. McCall utilizes cutting edge technology to capture evidence and preserve electronic information, including FARO 3D laser scanning, Total Station laser mapping, Bosch CDR vehicle download systems, commercial vehicle Engine Control Module (ECM) data extraction systems, unmanned aerial vehicle (UAV) mapping and imagery, forensic photography, photogrammetry, and light meter documentation. He is skilled in forensic diagramming and 3D modeling utilizing leading engineering software packages, and is a skilled communicator with clients and public audiences. From on-scene investigation to determining causes and countermeasures, Mr. McCall employs proven scientific methodologies and advanced technology for data collection, engineering evaluation, and comprehensive communication. He has testified at trial as an expert in his field.

Licensure and Professional Certification

Certified Bosch Crash Data Retrieval (CDR) Technician

OSHA Industry Outreach Training Certification

Remote Pilot – Small Unmanned Aircraft System
Federal Aviation Administration

Contact Information

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Tallahassee, FL 32308

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133 E. 143rd Avenue
Tampa, FL 33613

Education

Mississippi State University
Starkville, MS
B.S. Mechanical Engineering

Work Experience

Focus Forensics, LLC
Consultant: 2020-Present

Global Engineering and Scientific
Solutions
Project Manager: 2007-2020

Benedict Engineering Company
Project Manager: 2000-2006



Professional Development

Collision Safety Institute / ARC

- ARC-CSI Crash Team Boot Camp, 2013
- Analysis of Collisions Involving Pedestrians or Bicyclists, 2004
- Vetronix Crash Data Retrieval (CDR) Certified Analyst Course, 2003

Drone Launch Academy

- FAA Part 107 Remote Pilot Course, 2020

FAA Aviation Safety

- Part 107 Small UAS Recurrent, 2022

Focus Forensics, LLC

- Transportation Engineering and Accident Reconstruction Insights, 2022

FARO

- FARO Focus 3D Scanner Training, 2016

Florida/ Georgia Trucking Association

- Truck Safety Inspection Program (Safety Management Councils), 2001

Institute of Police Technology and Management

- Lecture Series, 2019

Northwestern University Center for Public Safety

- Traffic Accident Reconstruction, 2002
- Traffic Accident Reconstruction, 2000

OSHA

- General Industry Outreach Training Certification, 2001-2002

Society of Automotive Engineers (SAE)

- Fundamentals of Vehicle Dynamics, 2021
- Heavy Vehicle EDR Course, 2015

Virtual Crash

- Collision Simulation and Reconstruction, 2021

World Reconstruction Exposition (WREX)

- World Reconstruction Exposition (WREX), 2023