

Curriculum Vitae

Tyler White, BSME

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BACKGROUND

Mr. White is a Mechanical Engineer who investigates cases involving a variety of forensic engineering issues. His accident reconstruction cases have included automobiles, trucks, tractor-trailers, motorcycles, pedestrians, bicycles, and various machinery and products. He is experienced in documentation and evidence preservation through cutting edge technologies such as FARO scanners, Bosch CDR tools, and small unmanned aircraft systems. He also provides analysis on topics such as roadside safety, maintenance of traffic, mechanical systems and product failures, and ANSI and ASTM standards. Along with actively pursuing his Professional Engineer license, Mr. White continues to refine his skills and expand his knowledge through continuing education.

AREAS OF EXPERTISE

- Automobile Collisions
- Tractor-Trailer Collisions
- Bicycle Accidents
- Motorcycle Accidents
- Pedestrian Accidents
- Roadside Safety
- Construction Zones
- Black Box Analysis
- Tractor Trailer Electronic Control Modules (ECM)
- Product Failure Analysis
- Maintenance of Traffic (MOT) Evaluation
- Restraint System Analysis

PROFESSIONAL LICENSES & CERTIFICATIONS

- State of Florida, E.I. #1100025202
- Certified Counter Balanced Forklift Operator
- FAA Remote Pilot Certification, #4432110

EDUCATION

- B.S., Mechanical Engineering, Specialization: Thermal Fluid Systems, Florida State University, Tallahassee, FL, 2020

PROFESSIONAL EXPERIENCE

2019 – Present | Quality Forensic Engineering, LLC
Mechanical Engineer - 2020 – Present, Tampa, FL & Tallahassee, FL
Engineering Intern - 2019 – 2020, Tallahassee, FL

2018 – 2019 | BEC Consulting, LLC | Engineering Intern, Tallahassee, FL

NOTABLE PROJECTS

Mr. White has been the project lead on, or assisted with, a large number of forensic engineering projects, including the following representative subjects:

- Vehicular accident reconstruction
- Tractor-trailer accident reconstruction
- Bicycle accident reconstruction
- Motorcycle accident reconstruction
- Pedestrian accident reconstruction
- Roadside safety device application and evaluation
- Construction zone accidents
- Vehicle electronic data acquisition and analysis
- Accident video analysis
- Product design and product failure analysis and testing
- Maintenance of Traffic (MOT) related accidents
- Restraint system and evidence analysis
- Vehicle dynamics
- Mechanical design and failure evaluation
- Traffic signal sequence evaluation
- Unmanned aerial vehicle imaging and analysis
- 3D scan data collection and analysis

PROFESSIONAL ASSOCIATIONS

- American Society of Mechanical Engineers (ASME)
- National Association of Professional Accident Reconstruction Specialists (NAPARS)
- National Society of Professional Engineers (NSPE)

COURSEWORK/CONTINUING EDUCATION

May 2023 | “Heavy Vehicle Forensic Mechanical Inspection”, Northwestern University Center for Public Safety, Rockford, IL

April 2023 | “Bicycle and Electric Bicycle Performance” by Roman Beck, World Reconstruction Exposition, Orlando, FL

April 2023 | “Methods for Establishing Motorcycle Impact Speed” by Louis Peck, World Reconstruction Exposition, Orlando, FL

April 2023 | “The Importance of Tires in Accident Investigation (Passenger/LT)” by T.J. Tennent, World Reconstruction Exposition, Orlando, FL

April 2023 | “Heavy Vehicle Side and Rear Underride Speed Analysis” by Scott Skinner, World Reconstruction Exposition, Orlando, FL

April 2023 | “The Forgotten Force – Motorcycle-to-Auto Side Impact Modeling” by Dr. Andre Doria, World Reconstruction Exposition, Orlando, FL

April 2023 | “EDR Accuracy of Modern Vehicles” by Rick Ruth, World Reconstruction Exposition, Orlando, FL

April 2023 | “The Importance of Tires in Accident Investigation (Commercial)” by T.J. Tennent, World Reconstruction Exposition, Orlando, FL

April 2023 | “Underride Reconstruction, Reporting, and Regulations” by Aaron Kiefer, World Reconstruction Exposition, Orlando, FL

April 2023 | “Next Generation GM ACM EDRs / ASCMs / Front Camera Module EDRs” by Don Floyd, World Reconstruction Exposition, Orlando, FL

April 2023 | “Video Analysis in Collision Reconstruction” by Ben Molnar, World Reconstruction Exposition, Orlando, FL

April 2023 | Crash Testing, World Reconstruction Exposition, Orlando, FL

October 2022 | “Traffic Control Coordinator Program” Rutgers Center for Advanced Infrastructure and Transportation, Piscataway, NJ

October 2022 | Recertification Training and Testing for FAA Part 107 Remote Aircraft Pilot Licensing

June 2022 | “Mock Trial” by Dr. Brian G. Pfeifer, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Technology & Accident Reconstruction” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Tractor-Trailer Collision Reconstruction” by Dr. Brian G. Pfeifer, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Pedestrian & Bicycle Accident Reconstruction” by Dr. Brian G. Pfeifer, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Accident Reconstruction 101” by Dr. Brian G. Pfeifer, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Slips, Trips & Falls: Awareness and Avoidance” by Traci K. Campbell, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Fieldwork Safety Procedures” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

May 2022 | “Cyber Security Training” by Brian Rode, Premiere Computer Solutions, Tallahassee, FL

December 2021 | “Download and Analysis Techniques for Hyundai and Kia Vehicles” and “Engine Control Modules” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

July & October 2021 | “Photogrammetry Techniques and Procedures” by Patrick D. Weber, Quality Forensic Engineering, LLC, Tallahassee, FL

July 2021 | “Fieldwork Safety Procedures” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

June 2021 | “Cyber Security Training” by Brian Rode, Premiere Computer Solutions, Tallahassee, FL

April 2021 | “Operator Safety Training - Sit-down Counter Balance Forklifts”, Ring Power Lift Trucks, Jacksonville, FL

March 2021 | “Traffic Crash Reconstruction II”, Northwestern University Center for Public Safety, Evanston, IL

September 2020 | Training Course for Preparation to the FAA Part 107 Exam for Certification as a Remote Aircraft Pilot

August 2020 | “Traffic Crash Reconstruction I”, Northwestern University Center for Public Safety, Evanston, IL

July 2020 | “Tractor-Trailer Inspection Training 101”, by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

July 2020 | “Berla iVe Overview” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

February 2020 | “Fundamentals of CDR Downloads” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

February 2020 | “ACM Repowering Rig and the CDR900” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

February 2020 | “Fieldwork Safety Procedures” by Christian A. Yates, Quality Forensic Engineering, LLC, Tallahassee, FL

December 2019 | “Mechanical Systems II”, Florida State University, Tallahassee, FL

August 2019 | “Dynamic Systems II”, Villanova University, Villanova, PA

May 2019 | “Mechanical Systems I”, Florida State University, Tallahassee, FL

May 2019 | “Engineering Design Methods”, Florida State University, Tallahassee, FL

December 2018 | “Dynamics Systems I”, Florida State University, Tallahassee, FL

May 22, 2023