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Curriculum Vitae

Sean P. Vozza P.E.

850.583.5516 · 813.343.4004 · SVozza@Qforensics.com

BACKGROUND

Mr. Vozza is a Mechanical Engineer who investigates a variety of forensic engineering cases. Since starting his career as a forensic engineer in 2016, he has worked on hundreds of accident reconstruction cases. His analyses encompass topics such as accident reconstruction, vehicle dynamics, roadside safety, maintenance of traffic, commercial vehicle accidents, and failures of mechanical systems and products.

Mr. Vozza's accident reconstruction cases involve automobiles, trucks, tractor-trailers, motorcycles, pedestrians, bicycles, watercraft, and various types of machinery and products. Additionally, he works with ANSI and ASTM standards, powered mobility devices, and utilizes digital and graphic accident reconstruction techniques, including 3D laser scanning. Mr. Vozza holds an advanced certification in Temporary Traffic Control (TTC) through FDOT. He is also certified in remote unmanned aerial vehicle systems. Mr. Vozza is a graduate of the University of Florida and is a licensed Professional Engineer in Florida.

AREAS OF EXPERTISE

- Automobile and Tractor-Trailer Collisions
- Bicycle, Motorcycle, and Pedestrian Accidents
- Guardrails, Roadside Safety and Construction Zones
- Black Box and ECM Downloads and Analysis
- Product Failure Analysis
- Maintenance of Traffic (MOT) Evaluation
- Restraint System Analysis
- Vessel and Watercraft Accidents
- Digital Video Analysis
- Golf Cart, RV, and ATV Accidents

PROFESSIONAL LICENSES & CERTIFICATIONS

- Licensed Professional Engineer, Florida, #103821
- FDOT Advanced Temporary Traffic Control #655909
- Certified Counter Balanced Forklift Operator
- FAA Remote Pilot Certification, #4412891

EDUCATION

- B.S., Mechanical Engineering, University of Florida, Gainesville, FL, 2016

PROFESSIONAL EXPERIENCE

2019 – Present | Quality Forensic Engineering, LLC | Mechanical Engineer, Tallahassee, FL

2016 – 2019 | BEC Consulting, LLC | Mechanical Engineer, Tallahassee, FL

2014 | Sun Hydraulics | Cartridge Engineering Intern, Sarasota, FL

NOTABLE PROJECTS

Forensic Engineering – Mr. Vozza has managed a large number of forensic engineering projects, including the following specific subjects and issues:

- 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
- Mechanical lift failure and design analysis
- Watercraft accident reconstruction
- Powered mobility device incident analysis

PROFESSIONAL ASSOCIATIONS

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

HONORS AND AWARDS

- Bachelor of Science in Mechanical Engineering Cum Laude Honors

COURSEWORK/CONTINUING EDUCATION

March 2026 | “FDOT Approved Temporary Traffic Control (TTC): Advanced Course” by US Safety Alliance

December 2025 | "Tractor-Trailer Collision Reconstruction/Technology," Brian A. Darr, P.E., B.S.M.E., IAAI-FIT(V), NAFI-CFEI, Quality Forensic Engineering, LLC

December 2025 | "Engineering Roundtable Seminar," Quality Forensic Engineering, LLC

December 2025 | "Advanced Analysis of EDR," Jodie E. Immell, B.S.M.E., ACTAR, Quality Forensic Engineering, LLC

September 2025 | "Slips and Falls: Walk This Way," Ian M. Zeller, Ph.D., P.E., ACTAR, Quality Forensic Engineering, LLC

May 2025 | "Accident Reconstruction and Digital Data," Erich L. Breedlove, Quality Forensic Engineering, LLC

April 2025 | "Accident Reconstruction 101," Michael Hill, Ph.D., P.E., Quality Forensic Engineering, LLC

April 2025 | "Slips, Trips, and Falls," Tracy K. Campbell, P.E., CFSE, CXL, Quality Forensic Engineering, LLC

October 2024 | "Engineering Roundtable Seminar," Quality Forensic Engineering, LLC

October 2024 | "Product Liability," by Brian G. Pfeifer, Ph.D., P.E., Quality Forensic Engineering, LLC

September 2024 | Recertification Training and Testing for FAA Part 107 Remote Aircraft Pilot Licensing

June 2024 | "Tire Basics & Tire Failure Evaluation," by Brian A. Darr, P.E., Quality Forensic Engineering, LLC, New Orleans, LA

June 2024 | "Maintenance of Traffic and Work Zones," by Tyler P. White, E.I. Quality Forensic Engineering, LLC, Tampa, FL

May 2024 | "Motor Vehicle Accident Biomechanics and the Daubert Standard," by Ian Zeller, Ph.D., Quality Forensic Engineering, LLC

April 2024 | "OSHA Forklift Certification," American Safety Council, Orlando, FL

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 | "Heavy Vehicle Side and Rear Underride Speed Analysis" by Scott Skinner, World Reconstruction Exposition, Orlando, FL

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

April 2023 | "GPS Data: Sources, Analysis, and Presentation" by Gary Johnson, World Reconstruction Exposition, Orlando, FL

- April 2023 | “Underride Reconstruction, Reporting, & 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 | “Guardrail End Terminal Crash Reconstruction” by Lawrence Wilson, World Reconstruction Exposition, Orlando, FL
- April 2023 | “Accurate Measurements by Combining Images or Video with Laser Scans” by Dan Mills, World Reconstruction Exposition, Orlando, FL
- April 2023 | Crash Testing, World Reconstruction Exposition, Orlando, FL
- July 2022 | Recertification Training and Testing for FAA Part 107 Remote Aircraft Pilot Licensing
- June 2022 | “Mock Trial” by Brian G. Pfeifer, Ph.D., P.E., 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 Brian G. Pfeifer, Ph.D., P.E., Quality Forensic Engineering, LLC, Tallahassee, FL
- May 2022 | “Pedestrian & Bicycle Accident Reconstruction” by Brian G. Pfeifer, Ph.D., P.E., Quality Forensic Engineering, LLC, Tallahassee, FL
- May 2022 | “Accident Reconstruction 101” by Brian G. Pfeifer, Ph.D., P.E., 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

July 2020 | Training Course for preparation for the FAA Part 107 Exam for Certification as a Remote Aircraft Pilot

July 2020 | "Tractor-Trailer Inspection 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

November 2018 | "Traffic Crash Reconstruction II," Northwestern University Center for Public Safety, Evanston, IL

April 2018 | "Operator Safety Training - Sit-down Counter Balance Forklifts," Ring Power Lift Trucks, Jacksonville, FL

May 2017 | "Traffic Crash Reconstruction I," Northwestern University Center for Public Safety, Evanston, IL

April 2016 | "Mechanical Engineering Design 1 & 2," University of Florida, Gainesville, FL

December 2014 | "Engineering Mechanics: Dynamics," University of Florida, Gainesville, FL

April 2014 | "Mechanics of Materials," University of Florida, Gainesville, FL

December 2013 | "Physics with Calculus 2," University of Florida, Gainesville, FL

PRESENTATIONS

Sean P. Vozza, "Tractor-Trailer Collision Reconstruction Technology – CLE Zoom," Treasure Coast Justice Association, September 2025

Sean P. Vozza, "Tractor-Trailer Collision Reconstruction Technology," Quality Forensic Engineering, LLC, July 2025

March 23, 2026