

Curriculum Vitae

Sean P. Vozza, BSME

(850) 583-5516 · SVozza@Qforensics.com

BACKGROUND

Mr. Vozza is a Mechanical Engineer who investigates cases involving a variety of forensic engineering issues. He has worked on over 400 accident reconstruction cases in the past six years, providing analysis on topics such as roadside safety, maintenance of traffic, commercial vehicle accidents, and the analysis of mechanical systems and product failures. His accident reconstruction cases have included automobiles, trucks, tractor-trailers, motorcycles, pedestrians, watercrafts and various machinery and products. He also works with ANSI and ASTM standards, powered mobility devices, digital/graphic accident reconstruction, 3D scanning and documentation, unmanned aerial vehicle documentation, and commercial and passenger vehicle inspection and documentation.

AREAS OF EXPERTISE

- Automobile Collisions
- Tractor / Trailer Collisions
- Bicycle Accidents
- Motorcycle Accidents
- Watercrafts
- Pedestrian Accidents
- Roadside Safety
- Construction Zones
- Black Box Analysis
- Product Failure Analysis
- Workplace Safety

PROFESSIONAL LICENSES & CERTIFICATIONS

- NCEES ID 21-301-41 State of Florida FE Mechanical
- 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 | Engineer I, 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:

- Passenger vehicle accident reconstruction
- Tractor-trailer accident reconstruction
- Motorcycle accident reconstruction
- Maintenance of Traffic analysis
- Construction zone accidents
- Maintenance of traffic related accidents
- Product failure and design analysis
- Product failure testing
- Accident Video Analysis
- Bicycle accident reconstruction
- Watercraft accident reconstruction
- Mechanical lift failure and design analysis
- Powered mobility device incident analysis
- Structural analysis of passenger containment systems
- Vehicle dynamics
- Workplace incidents
- Restraint system and evidence analysis
- UAV aerial mapping and analysis
- 3D scan data collection and analysis

PROFESSIONAL ASSOCIATIONS

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

HONORS AND AWARDS

- Bachelor of Science in Mechanical Engineering Cum Laude Honors

COURSEWORK/CONTINUING EDUCATION

July 2021 | “Photogrammetry Training” by Pat Weber, Quality Forensic Engineering, Tallahassee, FL

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

July 2020 | “Tractor-Trailer Inspection Training” by Chris Yates Quality Forensic Engineering, Tallahassee, FL

November 2018 | “Traffic Crash Reconstruction 2”, 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 1”, 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

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