

Robert Todd Montuoro

Address:

7586 Bradfordville Road
Tallahassee, FL 32309
(850) 228-3335 (work)
(888) 249-9226 (fax)
<http://www.cummingsci.com>

Personal:

Born: February 8th, 1995, Vero Beach, Florida

Education:

B.S. - Florida State University, Tallahassee, FL (May 2019)
Mechanical Engineering with emphasis on Mathematics, Mechatronics, and Automotive (Dynamics)

Experience:

Cummings Scientific, LLC, Tallahassee, Florida; Engineering, Accident Reconstruction; 2019-Present

- Reconstruction of vehicular accidents; dynamic and kinematic analysis; analysis of vehicle dynamics due to tire failure; brake inspections, skid coefficients; lamp filament analysis; computer analysis; momentum exchange; vehicle crush energy calculations; visibility analysis; occupant restraint analysis; occupant kinematics and dynamics; automobile, truck, motorcycle, bicycle, and pedestrian accidents.
- Mathematical modeling of vehicular accidents and occupant kinematics.
- Computer modeling of vehicular accident and occupant kinematics.
- Vehicle crash testing
- Vehicle accident re-enactments

Skills:

- **Accident Reconstruction** - Reconstruction of automobile, heavy truck, bus, heavy equipment, tractor-trailers, trains, motorcycles, ATVs, bicycles, and pedestrian accidents. This includes the analysis of accident events and physical evidence to determine causation, critical accident events, sequence of events, compliance with procedures, and injury mechanisms. Typical projects include vehicular, construction, and slip/trip & fall accidents.
- **Crash testing** - Data acquisition, crush analysis and reduction.

Significant Coursework:

Mathematics – Applied Statistics for Scientist and Engineer, Calculus I, II, & III, Ordinary Differential Equations.

Mechatronics – Mechatronics I, II, and Mechatronic Art.