

Curriculum Vitae Marco Cheraso, P.E., ACTAR, CXLT

Mechanical Engineer



EDUCATION

Bachelor of Science, Mechanical Engineering, Florida Atlantic University

REGISTRATIONS AND CERTIFICATIONS

Professional Engineer in Florida

Accredited Traffic Accident Reconstructionist (ACTAR)

Advanced MOT(TTC) Certified, FDOT

Certified English XL Tribometrist

Remote Pilot (sUAS)

EXPERIENCE

Forensic Engineering Analyst, Kimley-Horn and Associates, Inc., West Palm Beach, FL 2018 – Present

Project Engineer Co-op, Bosch/FHP Manufacturing, Pompano Beach, FL 2017 –2018

Mechanical Design Co-op, Belcan Engineering Group, West Palm Beach, FL 2013 –2017

AFFILIATIONS

Member, Society of Automotive Engineers (SAE)

PROFESSIONAL SUMMARY

Mr. Cheraso is a graduate of Florida Atlantic University, a fully accredited traffic accident reconstructionist, and a professional engineer. He specializes in automotive accident and component failure investigations. Mr. Cheraso has vehicle racing experience and was qualified to lead the Formula SAE race team. As an engineer, he applies the principles of physics, material science, human factors, manufacturing, testing, and safety to forensic evaluations. With a background in component design and fabrication, and testing of prototype vehicles, Mr. Cheraso has a unique insight into vehicle dynamics, specialized testing, data analysis, component failure and manufacturing defects.

RELEVANT EXPERIENCE

Provide forensic engineering services related to vehicular accident reconstruction (passenger vehicles, heavy vehicles, forklifts, construction zones and equipment, motorcycles, off-road vehicles, bicycles and pedestrians)

Accident Vehicle Documentation, Investigation & Analysis

Accident Scene Documentation, Investigation & Analysis

Time, Distance, Velocity, and Acceleration Analysis

Nighttime Visibility and Sight line Analysis

Human Factors Analysis

SPECIAL QUALIFICATIONS

Proficient with equipment and software used in: Photogrammetry, 3D Scanning, CDR & Heavy Vehicle EDR (crash/event data recorders), Acceleration/Impact testing

Component Fracture and Fatigue test design and analysis experience

Friction test design and analysis experience

PROFESSIONAL DEVELOPMENT

Maintenance of Traffic, Intermediate level, Safety Council of Palm Beach County, Inc. July 12-13, 2018, West Palm Beach FL

Hyundai & Kia EDR Specialist, Kimley-Horn and Associates, November 16, 2018

How to use the Bosch CDR tool, Crash Data Group, March 30, 2019

Certified Accident Investigator, Kimley-Horn and Associates, April 15, 2019

Traffic Crash Investigation 1, Northwestern Center for Public Safety, June 3, 2019 Traffic Crash Reconstruction 1, Northwestern Center for Public Safety, May 3, 2019

Traffic Crash Reconstruction 2, Northwestern Center for Public Safety, May 10, 2019

Maintenance of Traffic, Advanced level, Safety Council of Palm Beach County, Inc. June 27-28, 2019, West Palm Beach FL