Jose Emanuel Tovar

Forensic Engineer

Department

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Locations
Los Angeles, CA

Biography

Jose is a mechanical engineer with over six years of experience performing accident reconstruction analysis. Before joining YAES, Jose consulted on accident reconstruction involving automobiles, light trucks, motorcycles, bicycles, and commercial trucks. His experience includes crash data retrieval, video analysis, and vehicle dynamics simulation modeling. Jose is an experienced reconstructionist with over 300 reconstructions to date. He earned his Bachelor of Science degree from Cal State University Northridge with a focus on vehicle dynamics. In 2019, Jose obtained his accident reconstruction certificate from the Society of Automotive Engineers. He has co-authored in SAE technical publications.

Credentials

- Certified Forensic Video Technician (CFVT) - Issued March 2021

Representative Consulting Assignments

- TEST | Download vehicle input and response data for analysis of crash sequences
- Collision Analysis | Investigation, analysis, and reconstruction of single and multiple vehicle collisions
- Trucking Analysis | Investigation, analysis, and reconstruction of single and multiple heavy vehicle collisions
- Video Analysis | Analysis of video frames, and extraction of vehicle positions and speed

Professional Experience

- 2022 - Current | Forensic Engineer | TEST
- 2017 - 2022 | Forensic Engineer | TEST

Area of Practice

- Accident Reconstruction

Publications and Presentations

- 03/29/2022, Using PC-Crash to Analyze Motorcycle Slide to Stop Dynamics, SAE
- 04/06/2021, Validation of a PC-Crash Multibody Sport Bike Motorcycle Model, SAE
- 04/06/2021, Stationary and Moving Camera Video Analysis Compared to Known Reference System, SAE

Education

- California State University - Bachelor of Science - Mechanical Engineering - Northridge - California

Affiliations

- Society of Automotive Engineers (SAE) - Member - August 2016 - Present