



Vladimir Shkolkin

Senior Accident Reconstructionist

Department

Accident Reconstruction & Forensic Animation

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Locations

Los Angeles, CA

Biography

Vladimir Shkolkin is a Senior Accident Reconstructionist for YA Engineering Services. He began his career as a vehicle damage appraiser and has inspected, evaluated, and photographed over 10,000 crashed vehicles to determine the extent of structural, body, mechanical, electrical, and interior damage. Additionally, he trained staff in vehicle damage appraisal and estimating software.

Mr. Shkolkin earned a Bachelor of Science in Mechanical Engineering from California State University, Northridge in 2019. During his senior design project, he participated in the ASME Human Powered Vehicle Challenge, where he designed the vehicle frame and developed, performed, and presented the rollover threshold test for a tadpole recumbent vehicle.

He has received training in various skills necessary for conducting scientific investigations of accidents and analyzing their causes. In addition to his engineering degree, Mr. Shkolkin has obtained a Motorcycle License, an FAA Pilot License, and a Merchant Mariner Credential from the United States Coast Guard.

Credentials

- FAA Certified Drone Pilot
- SAE - Accident Reconstruction Certificate Program

Professional Experience

- 2024 - Current | Senior Accident Reconstructionist | YA Engineering Services
- 2022 - 2024 | Staff Engineer | Collision and Injury Dynamics, Inc.
- 2019 - 2021 | Forensic Engineer | Momentum Engineering Corp.
- 2017 - 2018 | Mechanical Engineer Intern | Blockchain Solutions USA, Inc.
- 2016 - 2017 | Auto Damage Appraiser | Property Damage Appraisers

Area of Practice

- Accident Reconstruction
- Drone Pilot
- Repair Cost Estimating
- Vehicle Electronic Data Download

Publications and Presentations

- April 2021 - Simacek, D., Tovar, J., Famiglietti, N., Shkolkin, V. et al., "Stationary and Moving Camera Video Analysis Compared to Known Reference System," SAE Technical Paper 2021-01-0879, 2021.

Education

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

Training Courses

- Forensic Video Analysis and the Law - LEVA I - May - 2024
- Investigation of Motorcycle Crashes Level II - IPTM - January - 2024
- Accessing and Interpreting Heavy Vehicle Event Data Recorders - SAE - October - 2023
- Vehicle Crash Reconstruction Methods - R. Matthew Brach, PHD PE, Instructor - February - 2023
- Conference - Southwestern Association of Technical Accident Investigators - February - 2023
- Investigation of Motorcycle Crashes Level I - IPTM - January - 2023
- Fundamentals of Automotive All-Wheel Drive Systems - SAE - January - 2022
- Fundamentals of Vehicle Dynamics - SAE - December - 2021
- Driver Distraction from Electronic Devices - SAE - December - 2021
- Applying Automotive EDR Data to Traffic Crash Reconstruction - SAE - December - 2019
- Photogrammetry and Analysis of Digital Media - SAE - September - 2019
- PC-Crash - Training Course - PC-Crash - August - 2019
- Conference - Southwestern Association of Technical Accident Investigators - July - 2019
- Photoshop - Creative Photo Academy - February - 2019
- Automotive Photography - Creative Photo Academy - February - 2019
- Vehicle Crash Reconstruction Principles and Technology - SAE - December - 2017
- CDR - Technician - Crash Data Group - 2017
- Photography - Moorpark College - 2015
- Motorcycle Safety Course - 2004

Affiliations

- Society of Automotive Engineering
 - Southwestern Association of Technical Accident Investigators
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