Curriculum Vitae
Adam Van Cleave, M.S.M.E, ACTAR

Profession: Mr. Van Cleave holds a B.S. degree in Kinesiology: Preventative and Rehabilitative Exercise Science and an M.S. in Mechanical Engineering. Mr. Van Cleave is also an accredited traffic accident reconstructionist by the Accreditation Commission for Traffic Accident Reconstruction (ACTAR).

Mr. Van Cleave's experience includes over a decade of performing musculoskeletal biomechanical modeling and analysis ranging from biomechanical modeling for sports medicine and sports performance to injury analysis for forensic biomechanical reconstruction. His primary areas of consulting expertise include injury biomechanics and accident reconstruction. Mr. Van Cleave provides forensic biomechanical analysis on cases involving motor vehicle accidents; slip, trips, and falls; falling objects; and other accidental events. He has performed analysis and reconstruction for low- to high-speed motor vehicle accidents, fatality accidents, pedestrian accidents, head impacts, vehicle rollovers, and other types of accidents. He also performs time distance analyses utilizing projection photogrammetry of video surveillance footage to determine fault in motor vehicle accidents. Mr. Van Cleave also provides expertise in sports-related injury biomechanical analysis, as well as experience in medical device root cause failure analysis.

Testimony: Mr. Van Cleave has testified over 25 times in depositions and trials.

Certification: Certificate of Full Accreditation from ACTAR– Registration #3785
FAA Certified Remote Drone Pilot – Certification #4346584
Bosch Certified Crash Data Retrieval (CDR) Technician and Analyst
Licensed Private Investigator: Texas #01009882

Education: *Purdue University,* West Lafayette, IN
2018 – Master of Science in Mechanical Engineering

Northern Illinois University, Dekalb, IL
2009 - Bachelor of Science in Kinesiology: Preventative and Rehabilitative Exercise Science

Experience: *Bloomberg Consulting* – Texas Office
2023 to present –Senior Biomechanical Consultant

Rimkus – Dallas, TX
> 2020 – 2023 - Senior Consultant

VA Forensics – Carlsbad, CA
> 2019 – 2020 - Forensic Biomechanical Reconstructionist

Stryker Medical – San Diego, CA
> 2015 – 2019 – Field Service Representative

Conatus Athletics – Los Angeles, CA
> 2010 – 2018 – Director of Performance Training/Education Coordinator

All American Heavyweights – Carson, CA
> 2010 – 2012 – Director of Performance Training

Athletes' Performance – Carson, CA
> 2009 – 2010 – Sports Performance Specialist

Professional Associations:

- ♦ California Association of Accident Reconstructionist Specialists (CAARS)
- ♦ Texas Association of Accident Reconstructionist Specialists (TAARS)
- ♦ Society of Automotive Engineers (SAE)

Professional Development:

- ♦ EDR User's Summit – CDR: Past, Present, and Future; GM Vehicle Systems and Their EDRS; FCM Data – Practical Application; Toyota Safety Sense (TSS) Testing and Research of VCH, PCS-O and PCS-I; Heavy Vehicle EDR: The New, the Annoying, and the Ugly; Mobile Forensics: Correlating Digital Data Between Mobile Phones, Phone Records, and Vehicle Systems; ATSPM/EDR: Automated Traffic Signal Performance Measures and EDR; ASCM/FCM: CDR Data Application; Toyota Vehicle Control History; EDR Data Verification Case Studies; Hyundai & Kia Update and Systems Overview; Vehicle Systems Forensics; Nissan Data Polarity and "Clipping"; Tesla CAN Bus Data – Houston, TX, 2024.
- ♦ Institute for Police Technology and Management: Event Data Recorder Use in Traffic Crash Reconstruction – Level 2, Phoenix, AZ, 2022.
- ♦ EDCORP: HVE Forum– Theoretical and Applied Vehicle Dynamics I and II; SIMON Simulation Module; Intermediate HVE & HVE 2-D I and II; Building Vehicles for HVE/HVE 2-D; DYMESH 3-D Collision Model, 2021.
- ♦ FARO Technologies: Utilizing 3D Technology in the Courtroom; Public Safety & Forensics 3D Scanning Best Practices, 2019.

- California Association of Accident Reconstruction Specialists: Pedestrian Crashes: Scene, Body and Vehicle Evidence; Pedestrian Impact Research: Testing and Modeling with PC Crash; Electric Scooters: Performance characteristics of acceleration and deceleration; Non-Electric Scooters: Performance of push-type scooters based on age of rider using instrumented tests; GPS Units: advanced data extraction and data processing; Testing with VBOX 3i, VBOX Sport, and Stalker Radar; Utilizing Video Evidence in Traffic Investigations; The Math and Physics Behind the Equations Used in Accident Reconstruction, Where They Come From, Their Verification Using Computer Simulations, 2019.

- Institute for Police Technology and Management: Event Data Recorder Use in Traffic Crash Reconstruction – Level 1; Investigation of Pedestrian Collisions; Case Preparation and Courtroom Presentation; Roadway Evidence; Safety Belt Examinations; Tire Examinations – Tire and Wheel Forensics; Vehicle Lamp Examinations in Traffic Collisions; Bosch Crash Data Retrieval Tool Technician Training, 2019.