TAYLOR BUCKMAN

Specialized Professional Competence

Photo/video analysis, photogrammetry, and reverse camera projection. 3D laser-based evidence collection and processing. Accident site and scene inspection, videography, video production and analysis. Documentation and photo-documentation. Vehicle and equipment inspection, documentation and photo-documentation. Low altitude aerial photography. Computer based scene and vehicle depictions and exhibits.

Background and Professional Honors

B.A. (Communication Design – Media Arts), California State University, Chico

Forensic Visualization Technician,
  Talas Engineering, Inc.
Technical Research Associate,
  Talas Engineering, Inc.

FAA Part 107 SUAS Remote Pilot #4600453
Certified Forensic Video Technician, LEVA
Certified Crash Data Retrieval System Technician

Professional Activities & Memberships

Member, Law Enforcement and Emergency Services Video Association International (LEVA)

Training

The Principles of Forensic Video/Image Compare and Contrast, LEVA
Digital Multimedia Evidence Processing, LEVA
Forensic Video Analysis and the Law, LEVA
Advanced Photogrammetry for Collision Reconstruction, Lightpoint Scientific
Photogrammetry and Analysis of Digital Media, Society of Automotive Engineers International
Photomodeler for Collision Investigation, EOS Systems
Video Examinations for Police Investigators, Axon Investigate
FARO Laser Scanner Training, FARO
Pix4D Mapping Essentials, Pix4D
EnglishXL Tribometer Training, Excel Tribometers

Selected Publications and Presentations

"A Method for Lens Distortion Correction of Algorithmically Altered Images," SAE Technical Paper 2025-01-8680, SAE International 2025 World Congress, Detroit, Michigan, April 2025 (with K. Pittman, E. Mockensturm, and K. White).