

Curriculum Vitae – Doug Carner AVFA,CFHI,CCFE,CPP

Audio Video Forensic Analyst

Certifications (all listings required training, testing and board/peer review)

10/05/18 certified Audio Video Forensic Analyst (Electronic Technicians Association)
11/29/17 Certified Forensic HiTech Investigator (McAfee Institute)
01/04/16 Certified Computer Forensics Examiner (Information Assurance Certification Review Board)
12/17/07 Certified Protection Professional (American Society for Industrial Security)

Forensic Positions (current list)

Audio, Video & Photo Analysis expert (Los Angeles Superior Court Panel of Experts - ICDA)
Digital Forensics Chair (Scientific Association of Forensic Examiners)
Digital & Multimedia Sciences Section member (American Academy of Forensic Science)
Forensic Sciences Committee (American Society for Testing and Materials)
Owner: "Forensic – Audio Video Innovations and Solutions" (6,000+ members, LinkedIn id#2461639)

Industry Positions (current list)

Manager: "Electronic Discovery Professionals" (9,000+ members, LinkedIn group id# 60739)
Manager: "Law Enforcement Professionals..." (15,000+ members, LinkedIn group id#44211)

Forensic Memberships (current list)

Forensic Expert Witness Association (served 2016 LA Executive Board), International Association for Identification (National sustaining member. California State Division member & served 2015-2016 "Science and Practices" committee), International Association of Forensic & Security Metrology, and Southwestern Association of Forensic Scientists.

Industry Memberships (current list)

American Society for Industrial Security, American Society for Photogrammetry and Remote Sensing (Chaired 2018 "Forensic" committee), American Society for Testing and Materials, Audio Engineering Society, Electronics Technicians Association, International Public Safety Association, International Association of Law Enforcement Intelligence Analysts, and The Society for Standards Professionals.

Forensic Innovations (peer-reviewed)

RGBamplifier – Subtle motion and color change amplifier
VideoCleaner – Forensic image & video enhancement and authentication software (lead developer)

Other Innovations (partial list)

Invented several security cameras, "Pay-at-the-gate" kiosk, and a wireless alarm (patent#6400267)

Forensic Development Contributor (partial list)

AVFA – Accredited peer-reviewed forensic multimedia certification (committee chairperson)
Blurity – Blurity.com (Forensic blind deconvolution image focus-motion corrective software)
Forensics – DiamondCut.com (Forensic audio enhancement and authentication software)
MAT (Multimedia Authentication Testing) – Forensic Working Group (digital file testing form)
VELA (Video Error Level Analysis) – video tamper detection method and code
VideoExpert – Vocord (Forensic video enhancement and authentication software)

Forensic Training (excludes conferences, webinars, lectures, and trainings without a practical exam)

09/18/17 Digital Video Forensics (eForensics Magazine, 25 CEU)
04/19/12 Forensic Imaging with Adobe Photoshop (Rocky Mountain Training)

Manufacturer Training (partial list)

American Dynamics, ArcVision, Bosch, Dedicated Micros, Genetec, Panasonic, Pelco, TYCO, Verint
(compression, color space, resolution, transmission, settings, lenses, integrity, security, metadata)

Clients

Caseload is about 40% Plaintiff and 60% Defense, and 100% of my work income. Clients include law enforcement, public defense, governments, corporations and enhancement companies. I routinely donate my skills to aid innocence projects, forensic peers, and the development of industry software.

Background

Since 2010: President of Forensic Protection, Inc. (13654 Victory Blvd., Dept #800, Van Nuys, CA)
6 Years at several system integrators. CCTV, audio and security design and deployment
10 Years at QuikStor (Van Nuys, CA). Lead engineer and VP Sales & Marketing
5 Years at Deltrex (Los Angeles, CA). Owner. Custom multimedia, software and electronics
Bachelor of Science, University of California, Davis (Phi Beta Kappa) 1989

Testimony & Depositions (15 of 23 Testimony for Defense, 18 of 28 Depositions for Plaintiff)

- 10/15/21 William Mora et al v Albertsons et al (BCV-17-102396) – Kern County Superior Court – civil – video clarification and analysis – Deposition – Defense
- 09/29/21 Scott v Tebha; Cloud9 LV, LLC dba Evapor8 (A-18-779830-C) – Eighth Judicial District Nevada – civil – video analysis – Deposition – Plaintiff
- 08/10/21 Kim v Romeo Management, Inc. (19STCV06301) – Los Angeles Superior Court – civil – video – Deposition – Plaintiff
- 06/09/21 The North Carolina State Bar v. Daniel C. Flint, Attorney – North Carolina State Bar – Audio Authentication – Deposition – Defense
- 05/12/21 Michele Von Merveldt v. Rolf Von Merveldt, III (CACE-17-007267) – Jefferson County (2019DR30808) – family court – audio authentication – Testimony
- 12/11/20 Maisonet, Merari v. Publix, (CACE-17-007267) – 17th Judicial Circuit, Broward County, FL – civil – video – Deposition – Defense
- 11/20/20 Wismettac Asian Foods Inc. v. Local 630 (VC066751) – Los Angeles Superior Court – civil – video authentication – Deposition – Defense
- 09/23/20 Jonathan Felix v City of San Diego (19cv891 W MSB) – U.S. District Court, Southern California – civil – video – Deposition – Plaintiff
- 03/10/20 Sonia Naranjo v Walmart Inc (BC713240) – Los Angeles Superior Court – civil – video – Deposition – Defense
- 02/24/20 McGowan v. Stutesman – USDC D.Or. (6:17-cv-00424-TC) – U.S. District Court, Oregon District, Eugene Division – civil - video – Testimony – Defense
- 10/30/19 Jovan Webb v City of Waterloo, et al. (6:17:CV:02001LRR) – U.S. District Court, Northern District, Eastern Division – civil – video – Deposition – Defense
- 09/16/19 Heddie Kanipes v. Anthony Kanipes (CL18-92) – Petersburg Circuit Court – civil – videogrammetry – Testimony & Deposition – Plaintiff
- 08/28/19 People v. Terell Moody (YA098013) – Los Angeles Superior – criminal – audio authentication – Testimony – Defense
- 08/08/19 People v. Derrick Park (LA088082) – Los Angeles Superior – criminal – video authentication – Testimony – Defense
- 06/27/19 Holmes v. Harris (18-CV-3739) – Central District California Court – civil – videogrammetry – Testimony – Defense
- 02/15/19 Austin Orlando Bocachica vs Gulfstream Park Racing Association (16-009627 09) – 7th Judicial Circuit Broward County, FL – civil – photogrammetry – Deposition – Plaintiff
- 02/11/19 Austin Reilly et al v. Michael Charles Parker, Domino's Pizza, Inc. et al (BC619135) – Los Angeles Superior Court – civil – video clarification – Deposition – Defense
- 09/20/18 Bryan C. Thompson v. Adam Coy Summers and Guillermo Lara Molina (17 CVS 352) – Yadkin County Superior Court – civil – video clarification – Deposition – Plaintiff
- 08/30/18 P. v Jonathan Wayne (7PC03049) – Los Angeles County Superior Court – criminal – image authentication – Testimony – Defense
- 07/27/18 Acacia Tinsley v. Yin Trust DBA McDonald's Restaurants (FCS048091) Solano County Superior Court – civil – video enhancement – Deposition – Defense
- 06/21/18 Morino v. Jack in the Box, Inc. v. GCP Enterprises, Inc. (30-2016-00889739-CU-PO-CJC) Orange Central Justice – civil – video enhancement – Testimony & Deposition – Defense

03/21/18 US v. Woods & Miller (3:17-CR-00008) – Northern Nevada District Court – criminal – video enhancement – Testimony – Defense

03/16/18 Kathleen Griffin v. Mezger (SMR 000354) – Los Angeles County Superior Court – civil – video authenticity & system design – Testimony – Plaintiff

12/12/17 Jang v Aston Elite Condominium Collection (15-1-1970) – First Circuit Court, State of Hawaii – civil – video authenticity & compression – Deposition – Plaintiff

06/21/17 Deron Holmes v. County of Orange (16-CV-00867-JLS) – Ronald Reagan Federal Building and U.S. Courthouse – civil – video clarification – Deposition – Plaintiff

05/22/17 Vallejo v. Santa Ana Unified School District (30-2015-00823864) – Orange County Superior Court, Santa Ana – civil – video clarification – Deposition – Plaintiff

02/13/17 Wendi Oppenheimer v. The City of La Habra et al. (8:16-cv-00018-JVS-DFM) – Circuit Court Santa Ana, CA – civil – video authenticity – Deposition – Plaintiff

01/26/17 Zeichick v. Garnica (BF056476) – Los Angeles Superior Family court – civil – video authentication & compression – Testimony – Defense

08/22/16 Steven Johnson vs. Stephen Davidson and City of Independence (1416-CV26731) – Circuit Court of Jackson county, MO – civil – video clarification – Deposition – Defense

07/05/16 Opsitnick v City of Long Beach (2:14-CV-09370-PLA) – US Central District civil – video clarification – Deposition – Plaintiff

06/27/16 Zambroro et al v Drobot et al (BC566142) – Los Angeles County Superior civil – audio clarification – Deposition – Plaintiff

04/28/16 Wanda Katz v. CVS Pharmacy (56-2013-00440158) – Ventura County Superior civil – video clarification & compression – Testimony – Plaintiff (03/25/16 Deposition)

10/07/15 Troy Williams v. Ralphs, et al. (BC495977) – Los Angeles County Superior civil – video clarification – Deposition – Plaintiff

05/08/15 Llamas v Twelve Sixteen (39-2013-00305497-CO-PO-STK) – San Joaquin County Superior civil – video clarification – Deposition – Plaintiff

04/03/15 Handgis v. Waterfront Hotel (30-2013-00645003-CU-PO-CJC) – Orange County Superior civil – video clarification – Deposition – Plaintiff

03/23/15 Nevada v. Julian Acox (CR13-0446) – Washoe County Superior criminal – video clarification – Testimony – Defense

11/17/14 Wendy Banderas v AMR (CIVDS1211607) – San Bernardino County Superior civil – video tamper analysis – Testimony 402 – Plaintiff

11/10/14 Chapman v CDN Logistics (S-1500-CV-2752580 SPC) – Kern County Superior civil – video tamper analysis – Testimony – Plaintiff

09/09/14 P. v Kyle McCleary (GA088459) – Los Angeles Superior criminal – video clarification – Testimony – Defense

06/13/14 Eric Koff v Trek Bicycle Corp (30-2012 00602533) – Orange County Superior civil – image enhancement – Testimony – Plaintiff

05/28/14 Sanchez v. County of Los Angeles (CV13-03836) – Los Angeles Superior civil – image/video clarification – Deposition – Plaintiff

02/27/14 P. v David Soto (VA130222-02) – Los Angeles Superior criminal – video route reconstruction – Testimony – Defense

11/14/13 P. v Sevak Demirjian (LA071817-01) – Los Angeles Superior criminal – video clarification – Testimony 402 – Defense

10/18/13 A.K.H v City of Tustin (SACV 12-01547 JST) – Costa Mesa, CA civil – image enhancement – Deposition – Plaintiff

10/11/13 Jerry Newmaker v City of Fortuna (C-12-4675-PJH) – Ventura, CA civil – video rebuttal witness – Deposition – Plaintiff

08/14/13 P. v David Morrow – Brighton (2011 CR001901) – Colorado Superior criminal – video tamper analysis & compression – Testimony – Defense

07/19/13 P. v. Jayson Ponce (BA396403) – Los Angeles Superior criminal – video clarification – Testimony – Defense

03/21/13 Dependency Court in the Matter of JT, minor (BF039110) – Los Angeles Superior civil – image authentication – Testimony – Family

01/30/13 Sharkoff v. Fletcher Jones Motorcars (BC462105) – Los Angeles Superior civil – video tamper analysis – Testimony – Defense

Published Writings (partial list)

- 02/26/21 eForensics Magazine – "Multimedia Authentication testing - How to detect and document a forgery"
- 07/01/20 eForensics Magazine – Your Digital Forensics toolkit "VideoCleaner tutorial and case study"
- 02/01/19 eForensics Magazine – "Digital Forensics and the Law"
- 05/10/18 eForensics Magazine – "Mastering the Daubert Challenge"
- 09/02/17 Memory Malware Forensics – Vol.6 #8, Issue 06/2017, (73) August, ISSN 2300-6986
"Detecting image tampering through science"
- 08/08/16 The California Identification Digest –
"Image, Video, And Audio Enhancement Software Available For The Forensic Analyst"
- 02/14/15 The Champion – "Evidence Forensics - Exposing tampered recordings"
- 05/26/14 Forensic Focus Magazine – "Considering A Career in Audio-Video Forensics?"
- 12/10/13 eForensics Magazine – "How to extract clear facts from bad video"
Republished: Multimedia Forensics Guidebook, Vol06, #11, Issue 11/2017, (76) November ISSN#2300-6986
- 08/01/13 eForensics Magazine – "Detect and prevent file tampering in multimedia files"
Republished: Multimedia Forensics Guidebook, Vol06, #11, Issue 11/2017, (76) November ISSN#2300-6986
- 01/07/13 The Litigators Companion – "Don't Let Distorted Media Ruin Your Case"
- 05/29/12 The Jury Expert - "Turning an Expert Witness into a Great Witness"
- 04/13/12 Homeland Security News Wire – "The technology behind the Zimmerman arrest video"
- 02/01/12 Exhibit One – "Video deblur"

Lecturer – Forensic (partial list)

- 09/14/21 IADE (International Association of Document Examiners) – Webinar
"Authenticating signatures in PDF documents"
- 02/24/21 SAFE (Scientific Association of Forensic Examiners) – Webinar
"Authenticating signatures in PDF documents"
- 06/18/20 IADE (International Association of Document Examiners) – Webinar
"Tampered documents in a digital world"
- Various Scientific Association of Forensic Examiners – Webinar
 - 02/24/21 "Digital Document Authentication – PDF compression and noise artifacts"
 - 06/26/19 "Digital Document Authentication – The DNA of digital recordings"
 - 08/25/17 "Solving the Amelia Earhart mystery"
 - 07/29/16 "The expert witness – Ethics, preparation and challenges"
- 05/05/16 California State Division, International Association for Identification – Annual Conference
"Video Retrieval and Capture" & "Solving Cases with Video Enhancement"
- 08/07/15 Digital Forensic Summit – Annual Conference (3 lectures)
Forensic Video Enhancement Panel - "Forensic Filters" (functionality, usage, settings and sequence)
Forensic Video Authenticity Panel - "Using light, shadows and compression artifacts to detect tampering"
"Meta-Data Recovery Audio/Video" (Validate & authenticate through metadata examination)
- 05/08/14 American College of Forensic Examiners Institute – Annual Executive Summit
"The Science and Open-Source Innovations of Video Enhancement and Analysis"
- 10/07/13 International Conference on Forensic Research & Technology – Workshop chair
Keynote speaker – "Audio-Video-Image Forensics: Turning Science Fiction into Science Reality"
- 05/01/13 California State Division, International Association for Identification (repeat on 05/02/13)
"Audio And Video Forensics-Clarification vs Enhancement"
- 05/08/12 California State Division, International Association for Identification – "Converting bad recordings into clear evidence: The science behind audio, video, image enhancements and authentication"

Lecturer – Legal (partial list)

- 04/05/19 National Association of Criminal Defense Lawyers: annual forensic science conference
"Is your discovery lying to you? The DNA of recorded evidence"
- 06/25/16 CAPA: Annual Conference – "The expert witness - Ethics, preparation and challenges"
- 05/20/16 NACDL: Forensic Science & the Law – "Digital Evidence: Spoliation & Tampering"
- 03/04/16 California Department of Corrections and Rehabilitation
"Incident to Resolution Video Handling-Enhancement-Legalities"
- 02/10/16 Orange County Paralegal Association – "The Expert Witness - Ethics, Preparation and Challenges"
- 10/15/15 Association for Legal Professionals – "Winning cases with digital forensics"
- 10/01/15 San Gabriel Valley Legal Secretaries – "Winning cases with digital forensics"

- 05/17/14 National Association of Criminal Defense Lawyers: annual forensic science conference
"Forensics for the Defense: 20 Ways to Win Using Enhancement and Authentication Science"
- 05/07/14 Consumer Attorneys Association of Los Angeles
"Winning Your Case in the Digital Age with the Use of Enhanced Forensic Evidence"
- 04/05/13 National Association of Criminal Defense Lawyers: annual forensic science conference
"Audio-Video Enhancement, Detecting Altered Files, and Excluding Media Experts and Exhibits"
- 07/30/13 San Diego Criminal Defense Bar Association – "Criminal Forensics - Visual enhancements and authentication to win cases and exclude opposing exhibits"
- 05/23/13 Beverly Hills Bar Association – "Criminal Forensics - Removing the Magic and Mystery Behind Audio, Video and Image Enhancements and Authentication"
- 07/24/12 South Bay Bar Association – "Audio - Video Enhancement and Authentication"
- 06/27/12 South East District Bar Association – "Converting Bad Recordings into Clear Evidence..."
- 06/14/12 Beverly Hills Bar Association – "Converting Bad Recordings into Clear Evidence..."
- 06/13/12 Burbank Bar Association – "Converting bad recordings into clear evidence..."
- 06/12/12 Ventura County Bar Association – "Converting Bad Recordings into Clear Evidence: The Science behind audio, video and Image enhancements and authentication"
- 05/24/12 San Fernando Valley Bar Association – "Determining if your audio-video surveillance files have been altered. How audio-video files are enhanced and authenticate..."

Lecturer – Investigative (partial list)

- 11/09/18 Private Investigators of California – "Make Money with Audio & Video Enhancement"
- 08/24/17 Hague Webinar – "Video enhancement best practices and software to catch terrorists"
- 04/27/16 CPCA police Webinar – "VideoCleaner: Solve Crimes with a FREE Video Processing App"
- 03/30/16 Phoenix Police Department – "VideoCleaner: Forensic Video Enhancement Software training"
- 02/18/16 Training session (hosted by Private Investigators of California - Los Angeles
"Digital forensics - Video enhancement and stabilization" (VideoCleaner free open-source software)
- 06/17/15 ASIS-40 (repeat of ASIS-130 on 4/9/15) – "Evidence Forensics - Exposing tampered recordings"
- 11/08/14 Private Investigators of California – "Audio & Video Enhancement"
- 06/12/14 ASIS-130 (American Society for Industrial Security) – "Video Enhancement Capabilities, Tools and Secrets"
- 02/05/14 LAPD (Valley Bureau) All Commanding Officers meeting
- 09/25/13 Private Investigators of California – "Investigative Forensics: Turning science fiction into reality"
- 02/08/12 LAPD (Valley Bureau) All Commanding Officers meeting

Media (partial list)

- 07/24/17 PEOPLE (print magazine) – "Has Amelia Earhart's Disappearance Been Solved?"
- 07/18/17 San Francisco Chronicle – "Many BART trains equipped with cameras with '70s technology"
- 07/09/17 History (Television Channel) – "Amelia Earhart: The Lost Evidence"
- 07/05/17 People Magazine – "Does This Photo Prove Amelia Earhart Survived Her Final Flight?"
- 10/28/16 Crime Watch Daily with Chris Hansen – Shelby Thornburgh murder
- 01/22/16 CBS News – "Boyle Heights Church Donations Stolen From 80-Year-Old Parishioner"
- 07/16/15 PI's Declassified – VoiceAmerica radio – "Exposing tampered recordings and video enhancement"
- 06/20/15 Crime and Science Radio – "My Lying Eyes: Tampered Evidence and Industry Secrets"
- 02/10/14 Security Guy Radio (Adrenaline radio) – "CSI Audio, video & images enhancement"
- 04/02/12 KFI am 640 radio interview (George Zimmerman case)
- 04/02/12 ABC News blog – "Video Forensic Expert Who Cleaned up George Zimmerman Video"
- 04/02/12 Nightline, Good Morning America, and worldwide rebroadcast –
"George Zimmerman Video Shows Little Evidence of a Broken Nose"
- 02/02/12 PI's Declassified - VoiceAmerica radio – "Audio & Video: Budget Conscious Evidence"