

Audio Video Forensic Lab Inc.

2600 South Rd.(Rt. 9)
Suite 44-101
Poughkeepsie, NY 12601

CV of Robert Sanderson

Experience

Jan. 2005 - Present

Audio Video Forensic Lab Inc., Poughkeepsie, NY

Owner, Forensic Analyst

Skills: Scientific Examination, Comparison and/or Evaluation of Audio and Video Evidence in Legal Matters.

Audio enhancement, video enhancement, audio redacting, video redacting, animated blurring and highlighting, tape restoration, audio noise reduction, voice identification, digital image authentication, CCTV tape demultiplexing, video stabilization, audio authenticity analysis, video authenticity analysis, video photogrammetry, height analysis, video enlargement, courtroom audio visual A/V presentation systems, TaserCAM obscuring authentication and analysis, BodyCam (BWC) obscuring, authentication and analysis, audio video authenticity, wiretap authenticity, noise measurement, environmental noise monitoring, workplace noise analysis, sound recording and expert witness testimony for law enforcement, legal professionals and the general public.

Forensic VIDEO Analysis Training:

Cognitech Tri-Suite, Software User Certifications from Video Advisors (2009) and Cognitech Inc. (7/22/11, 10/28/16, 9/24/18). 3D 360 Crime Scene Photogrammetry, 10/28/16, Reverse Projection Photogrammetry (9/24/18).

Avid dTective User Certification, Digital Video/Image Analysis Training, Omnivore & FFmpeg. Certificates of Completion from Ocean Systems (4/16/04) (2/24/10) (12/15/20).

Video Analyst (NASA VISAR) Forensic System Training, Certificate of Completion from Intergraph Corp. (5/5/06).

MotionDSP – Ikena Enhancement Software Development Contributor, Long Term Beta User for Ikena Software.

Forensic AUDIO Analysis Training:

Advanced Forensic Audio Enhancement, Certificate of Completion from Enhanced Audio (3/18/04).

Advanced Forensic Audio: Digital Audio Corporation, Certificate of Completion (1/19/06).

Audiotape Authentication and Speech Analysis: Project experience with former FBI specialist James B. Reames.

Voiceprint Identification Techniques - Rik Alexanderson, Voice Identification Inc. Certificate of Completion 10/19/07

Combined Forensic A/V Training:
Audio Video Authentication and Enhancement, Voice Identification - NY Institute of Forensic Audio - Certificate of Completion (11/17/06).

Computer and Mobile Device Media Extraction and Analysis:
BlackLight Tool Training, BlackBag Technologies. Certified BlackLight Examiner, Nov., 2014 and Nov., 2015. Windows, Mac, IOS (iPhone, iPad, iPod Touch)

I have been vetted and serve as an expert panelist of the Assigned Counsel Plan of New York.

Clients Include: New York State Attorney General, Cook County State's Attorney, CJA, Dutchess County NY District Attorney, Massachusetts Public Defender, Nassau County Homicide Dept., Federal Public Defender – District of Oregon, Fortress Global Investigations, the Legal Aid Society of New York, CSX Railways, State of New Jersey Public Defenders, the City of Chicago, the Innocence Project of Florida, State of Maryland Public Defenders, Bronx Defenders, City of New York 18B, Reuters, Pinkerton, local police departments, private investigators, insurance companies, citizens and attorneys.

Related Experience 1995 - 2005 - SVS Television Productions Poughkeepsie, NY

President

Broadcast and Corporate Production Services Incl. Advertising, Sales and PR Programs. Wrote, shot, and edited programs. Designed and built facilities. Clients include IBM, Culinary Institute of America, ABC, Laerdal Medical Corp. and Creative Media (Phillip Morris, Pepsi, Marsh, and Duracell) and General Motors. Produced DVD's and Interactive CD-ROM Projects.

Related Experience 1981 - 1995 - Soundscape Recording Studios,

Poughkeepsie, President

Designed, Built and Operated Facilities. Recorded, Mixed and Mastered Recording Sessions.

Speaking Engagements:

Dutchess County Bar Assn.- March 2021 "Making the Most of Video Evidence in a Legal Setting", Dutchess County NY.

State of Maryland Forensics Division – June 2020 "Making the Most of Video Evidence in a Legal Setting".

New Jersey Office of the Public Defender - May 2017, "Understanding, Using and Interpreting Video Evidence.

Nassex 2005, Montreal. Central Station Alarm Assn. Conference. Topic: Forensic Video Enhancement.

ASIS International. Mid-Hudson Chapter. Topic: Audio / Video Enhancement; Correct Surveillance Video System Planning.

ASIS International is the preeminent organization for security professionals. Founded in 1955, ASIS is dedicated to increasing the effectiveness and productivity of security professionals by developing educational programs and materials that address broad security interests.

Public Defender Service of the District of Columbia and invited guests: Superior Court Trial Lawyers and DC Federal Public Defenders – November 2009. Topics: Audio / Video Enhancement and Authentication. Subtopic: Voice Identification.

Digital Summit International, August 2010 in Las Vegas featuring the following seminars: Old School Audio in a Digital World

Robert Sanderson

Why a basic understanding of audio engineering is essential to audio enhancement. Focuses on the audio signal, clipping, phase alignment, and adaptive filtering (noise reduction). Features integrated filter/gear strategies meant to function in a real time environment.

Video Lab Strategies: August 2010 Equip and Train for Success!

Robert Sanderson

The "One Stop Shop" system is a myth. Take this tutorial on planning/budgeting a fully equipped, comprehensive video lab and coordinate staff training in manageable stages through a several year period. Focuses on adding specific capabilities over time which logically builds on personnel development.

General Education:

NYSGED Diploma.

Dutchess Community College -1 semester.

Continuing Education Credits – Western KTY University, Forensic Audio/Video and Voice Identification conducted by New York Institute of Forensic Audio (50 Hours, Nov 13-17, 2006).

Featured in October 2005 PRO AV Article: Uncovering Forensic AV, Law Enforcement Technology magazine in the August 2008 edition. Primer on how police departments can deal with surveillance video enhancement in an effective, organized program involving forensic equipment and training.

International Assn. of Identification (IAI) Member since 5/20/04
Audio Engineering Society (AES) Member