

PROFESSIONAL EXPERIENCE:

Codec Forensics

12/23 – Present

Owner/ Audio/Video Forensic Expert

Anthony Nelson stands at the helm of Codec Forensics as the owner and a seasoned Audio/Video Forensics Expert. With a commitment to excellence and a meticulous eye for detail, he leads his firm in providing top-tier forensic analysis for digital evidence in audio and video. At Codec Forensics, Anthony leverages his profound expertise to support legal teams and private clients, ensuring integrity and precision in all forensic inquiries.

- Delivers forensic examination and analysis of audio, video, and image files, focusing on detailed authentication and metadata scrutiny.
- Skilled in enhancing and clarifying digital media, with a talent for intricate data retrieval, media extraction, conversions, and comparison analysis.
- Offers specialized knowledge as a digital media consultant, ensuring the reliability of forensic tools through rigorous testing and verification.
- Proficient in a suite of professional software, including Pro Tools, Matlab, Izotope, RX, Adobe Photoshop, Adobe Premiere, and Cedar, enabling expert-level forensic analysis.
- Provides expert testimony in complex litigation, drawing upon a deep well of forensic experience and knowledge.

Garrett Discovery Inc

02/21–12/23

eDiscovery/ VP of Audio/Video Forensics

Anthony Nelson is a forensic expert for the Garrett Discovery Inc., specializing in forensic analysis for audio, video, and images digital evidence. Garrett Discovery works on over 500 court cases each year.

- Conduct forensic examinations and analysis of audio, video, and image files including authentication, metadata analysis, audio, video and image enhancement /clarification, data retrieval, media extraction and conversions, and comparison analysis
- Preparation of trial exhibits, and production of detailed reports
- Provide technical expertise for digital media
- Testing and verification of forensic tools
- Expert use in Pro Tools, Matlab, Izotope, RX, Adobe Photoshop, Adobe Premiere, Cedar
- Expert Testimony for complex litigation matters • Forensic Analysis of hard drives, mobile phones, GPS Devices, software and networks

Cyopsis

04/19 – 09/20

Digital Evidence Lab Technician

Anthony served multiple roles at Cyopsis. As a Lab Technician, his responsibility included documentation/retrieval of evidence, imaging, and lab management. As an in-house audio/video expert he performed forensic analysis of audio and video files. Additionally, performed tasks with ONSIT and conducted human investigations for clients nationwide.

- Received, inventoried, and returned all evidence received
- Maintained chain of custody on evidence
- Performed routine laboratory maintenance
- Performed authentication for both digital video and digital audio files
- Enhancement of both digital video and digital audio files
- Conducted social media investigations by gathering information and organized investigative package
- Assisted lead analyst or official in obtaining/collecting all documents/information to complete case file
- Expert use in Pro Tools, Matlab, Izotope, RX, Adobe Photoshop, Adobe Premiere, Cedar

DARPA - University of Colorado Denver

10/18 – 04/19

Digital Forensic Image Manipulator

Anthony created manipulated images for forensic analysis as part of DARPA's Media Forensics program. By creating manipulated images as input data to be tested on the Department of Defense's forensic tools that perform image/video/audio authentication in terrorist media detection platforms.

- Document the workflow of steps taken to manipulate images
- Tested authentication tool against manipulated images
- Maintained data sets of testable images by category
- Provide reports on authentication findings

MEMBERSHIPS

- Law Enforcement Video Association International

CERTIFICATIONS/LICENSES

- *Private Investigator Level II State of Colorado (Expired)*
- *Blackbag - Blacklight Training*
- *Cell Hawk*

EDUCATION

- *Master of Science – Media Forensics (Audio / Video)- University of Colorado (2018)*
- *Bachelor of Science, Recording Arts - University of Colorado (2016)*

PUBLICATIONS

Proposed Method for Recording and Analyzing Cell Phone Adaptive Noise Reduction Filters
https://www.ucdenver.edu/docs/librariesprovider27/ncmf-docs/theses/nelson_thesis_fall2018.pdf?sfvrsn=9d4e97b8_2