



CURRICULUM VITAE

Albert Joseph Zlogar

Audio and Video Forensic Technician

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Date revised: 10/2/2022

SUMMARY

I am an audio and video forensic technician specializing in digital media recovery, enhancement, and authentication with over four years of experience in the field. My work includes advanced sound design, field recording, film score theory, vinyl restoration and sound library development, and mixing for surround sound and virtual reality. Along with my education and experience, I'm collaborative, punctual, and precise with my work. I use science to help me provide my clients with work products using accurate forensic applications.

INTRODUCTION

In 2013, I began my audio career and was trained in production and engineering. While attending the Underground Producers Alliance, I created an album documenting field recordings of Black Lives Matter protests. I spent four years, from 2016 to 2020, making audio recordings and observing sounds from various places in New York City. The result is a thorough understanding of acoustic information. I have studied sound most of my life and understand how specific sounds can interfere and even conflict with other sounds. I also understand how easy it is to alter an original recording to deceive. Therefore, I chose audio forensics as my career path. I have not yet testified but currently working toward my courtroom experience with Ed Primeau, a thirty-eight-year audio forensic veteran.

I help attorneys understand the advantages of incorporating forensics into their litigations. My goal is to help the court understand the audio-recorded evidence's authenticity and the accuracy of events within the recording. The methods I use are peer-reviewed applications accepted by the scientific community. My techniques are derived from formal education and applying skills gained by working in many forensic situations.

WORK HISTORY

CEO of AI Zlogar Forensics Inc.

AI Zlogar Forensics Inc.

Bainbridge St, Apt 3, Brooklyn, NY 11233

2021 – Present

- Audio and Video Forensic Technician
- Providing forensic audio/video enhancement, authentication, and analysis services.
- Forensic audio recovery of evidential recordings.
- Perform forensic audio investigations

Forensic Audio Mentorship Program

Protégé of Edward Primeau, Primeau Forensics, LTD.

2020 – Present

- Forensic Audio Mentorship Program – 52 Weeks

- The components of a forensic lab
- Performing forensic investigations
- Workflow: Always maintain the original and perform work on a HASH-tested copy
- The importance of notetaking and screen captures
- Communication in civil and criminal cases
- Report writing, factual reports, and detailed complete forensic reports.
- Preparing for deposition testimony
- Providing deposition testimony
- Preparing for trial testimony
- Providing trial testimony
- The importance of eye contact in the courtroom
- How to dress and act when testifying
- Addressing the judge and jury
- Rebuttal testimony
- Federal Rules of Evidence

Co-Composer, Audio and Recording Engineer for LEX and the Cult of Spirits

The National Arts Club
 15 Gramercy Park S, New York, NY 10003
 2020

Location Sound Recording and Audio Editor

Alexis Karl Films
 Cadman Plaza E, Brooklyn, New York, 11201
 September 2020

Audio Repair and Enhancement for Alexis Karl Films

Documentary Protest Films
 Cadman Plaza E, Brooklyn, New York, 11201
 June 2020 – August 2020

Sound Design Performance for Raz Mesinai's film "Tunnel Vision"

Magick City
 37 Box St, Brooklyn, NY 11222
 October 2019

Recording Engineer of "Beyond the Beat"

Underground Producers Alliance
 Duro of Brooklyn, Brooklyn, New York
 February 2018

Audio Visual Technician for Val Jeanty's Live Performances

Roulette Intermedium

509 Atlantic Ave, Brooklyn, NY 11217
May 2017

Le Poisson Rouge
158 Bleecker St, New York, NY 10012
June 2017

Lighting and Sound Technician

Sullivan Room Nightclub
218 Sullivan St, New York, NY 10012
2013 – 2014

Santos Party House Dance Club
96 Lafayette St, New York, NY 10013
2015 – 2016

EDUCATION

MedEx Examiner - Video Authentication & Source Identification Training

MedEx Forensics
September 13-14, 2022
16 hours

- Using MedEx for identification of device that originally created/transmitted a video file
- Operating Medex in performing complex authentication examinations of digital video (including deepfake videos) and identifying the source of unknown video files.
- Knowledge of how digital video is encoded and stored to provide an expert analysis of it.
- Understanding Video file metadata
- Social media / cloud-stored video considerations
- Articulating expert results for expert opinion

FFmpeg for Forensic Video Examinations Webinar

Resolution Video
August 18, 2022
8 hours

- Hands-on workshop with software that produces libraries and programs for handling multimedia data.
- Common analysis techniques, including playback, analysis, and transcoding of digital video files.
- New and improved workflows for analyzing and processing standard and proprietary video file formats.

Digital Video Evidence Recovery

Resolution Video

August 9th – 11th, 2022

24 hours

- Understanding the procedures to follow when retrieving video evidence from analog and digital video CCTV security systems.
- Utilizing the latest Best Practices documents from the Scientific Working Group on Digital Evidence (SWGDE) and the Video/Imaging Technology and Analysis Subcommittee (VITAL) of the Organization of Scientific Area Committees (OSAC) by the National Institute of Standards and Technology (NIST).
- Gained an understanding of the methodologies presented and the tools required for retrieving video evidence.
- Developing strategic methodologies for on-site evidence recovery of analog and digital video from DVR security systems.
- Understanding the importance of proper documentation, verification, and communication for on-site video evidence retrieval.

iINPUT-ACE (Axon Investigate)

Certified Examiner (IAEC)

July 19th – 20th, 2022

8 hours

- Overcoming technical issues present in the video before examining or creating any demonstrative exhibits for investigation or court proceedings.
- Understanding video terminology and limitations that affect the accurate interpretation
- Understanding limitations in calculating proper timing between video images
- Advancements in Technology for Calculating Speeds
- Recognizing the frailty of frame rates (particularly when determining the speed and use of force)
- Recognize the limitations and possibilities of video enhancements
- Create demonstrative exhibits that help accurately explain video evidence
- Federal Rules of Evidence

Adobe Premiere for Forensic Video Analysts

Resolution Video

June 28th – 30th, 2022

24 hours

- Explores the technical operations behind digital video evidence and various programs that allow for playback, capture, and enhancement.
- New and improved workflows for analyzing and enhancing both standard and proprietary video file formats are discussed.
- Understanding techniques for Testimony
- Conducting video redactions and highlights
- Understanding scientific limitations as a forensic video analyst

iINPUT-ACE (Axon Investigate)

Certified Operator (IAOC)

May 17th – 18th, 2022

8 hours

- Using iNPUT-ACE to conduct a videocentric investigation from the initial playback to an effective and accurate review of the video evidence, and through the creation of court-ready outputs
- Understanding fundamental best practices
- Techniques for use in Testimony
- Deeper understanding of frame rates, identifying codecs, containers, proprietary and standard formats
- Employing major case management concepts and creating narrative reports.
- Advanced forensic video processing using iNPUT-ACE
- Applying concepts to large cases with multiple video sources and many camera views
- Understanding scientific limitations as a forensic video expert

Training in Forensic Analysis and Authentication of Digital Images

The University of Colorado Denver, National Center for Media Forensics

Denver, Colorado

September 20th – 22nd, 2021

13.5 Hours

- Advanced principles in digital image authentication
- Emerging science in media forensics
- Digital media evidence seizure and acquisition
- Limitations of the forensic expert

Training in Advanced Forensic Audio Enhancement and Processing

The University of Colorado Denver, National Center for Media Forensics

Denver, Colorado

December 1st – 4th, 2020

12 Hours

- Advanced principles of forensic audio enhancement
- The latest forensic audio recording and processing techniques
- Processing of digital multimedia and advanced techniques for enhancing recorded audio through filtering, noise reduction, and cross-channel adaptive filtering.
- Working with audio files from video and batch processing with command-line utilities
- Limitations of the forensic expert
- Digital evidence seizure and acquisition

Training in Forensic Analysis and Authentication of Digital Audio

The University of Colorado Denver, National Center for Media Forensics

Denver, Colorado

October 5th – 8th, 2020

12 Hours

- The latest forensic audio authentication techniques

- Advanced principles of forensic audio authentication
- Limitations of the forensic expert
- Digital evidence seizure and acquisition

Training in Forensic Analysis and Enhancement of Digital Audio

The University of Colorado Denver, National Center for Media Forensics
Denver, Colorado

September 28th – October 1st, 2020

12 Hours

- The latest forensic audio enhancement and signal processing techniques
- Advanced principles in media forensics and audio enhancement
- Following the standard operating procedures outlined by the Scientific Working Group for Digital Evidence (SWGDE) and the National Institute of Standards and Technology (NIST).
- Limitations of the forensic expert
- Digital evidence and seizure

Underground Producers Alliance

Certified in Sound Design, Sound Enhancement for Audio Forensics, and Audio Engineering
Brooklyn, New York

2018 – 2020

Underground Producers Alliance

Protégé of Raz Mesiani, Owner of the Underground Producers Alliance
Brooklyn, New York

2016 – 2018

- Advanced techniques using Ableton Live software
- Sonic Architecture Studies, using the field recorder, Zoom H4n Handy Recorder device
- Instrument Building using Ableton Live
- Mixing The Hard Way with Scotty Hard
- Sound Systems with Akin Adams
- Sound Synthesis with Modular Synthesizers
- Beat Creation with Val Jeanty

Polytechnic Institute of New York University

Engineering
Brooklyn, New York

2012

Pennsylvania State University

Engineering
State College, Pennsylvania

2008 – 2009

PROFESSIONAL ASSOCIATION MEMBERSHIPS

- Current Member of Audio Engineering Society (AES), since 2020
- Current Member of the International Association for Identification (IAI), since 2022