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# AUDIO-VISUAL FORENSICS EXAMINER

## CURRICULUM VITAE

**James Zjalic**

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### **SKILL SUMMARY**

A Forensic Media Analyst specialising in audio, video and imaging. Deep understanding of key concepts behind media formats which leads to detailed, and concise results free from subjective bias.

Education includes Media Forensics MSc at the National Centre for Media Forensics in Denver, Colorado. Regarded as being a centre of excellence and providing training for both law enforcement and private practices, it is also notable for its forward thinking research and output of graduates that have gone on to work for organisations such as the FBI and world renowned digital crime labs.

A firm believer in ethical practice through the stringent adherence of procedure and scientific methodologies to ensure work of the highest regard and upmost integrity.

### **PROFESSIONAL EXPERIENCE**

#### **Audio-Visual Forensics Examiner**

August 2016 to Present

Verden Forensics, Birmingham

Specialising in the analysis of audio-visual media from various devices, including, but not limited to:  
Authentication, Enhancement, Facial Comparison, Video Presentations, Object Analysis, Transcriptions.

#### **Remote Research Assistant, Medifor Project**

May 2016 to Present

DARPA [Defense Advanced Research Project Agency]

Performing and documenting image analysis for a large-scale US Pentagon backed project using Adobe Photoshop and specialist tools. Operating Remotely.

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### **EDUCATION & QUALIFICATIONS**

- MSc - Media Forensics, National Centre of Media Forensics, University of Colorado, Denver, USA (2017);
- BSc (Hons) - Audio Engineering, Birmingham City University (2015);
- Access Data ACE Certified Examiner (2015).

### **PUBLISHED AND GOVERNMENTAL RESEARCH**

- Medifor Project, 2016 - Present (Department for Advanced Research Project Agency, USA);
- A Proposed Audio Enhancement Framework for Forensic Purposes – Presentation, AAFS Annual Conference 2018 (Seattle, WA, USA);
- A Low Cost, Cloud Based, Portable ENF System – Paper, AES Audio Forensics 2017 (Arlington, VA);
- Determining Dimension Specific Information for Monaural Sound Recordings – Poster, AES Audio Forensics 2017 (Arlington, VA).

### **EXPERT TESTIMONY**

- 16/04/2018 – Facial Comparison Testimony at Leicester Crown Court for Operation Evolution (Defense).

### **PUBLISHED ARTICLES**

- Charlatans in Digital Forensics (Forensic Focus, Jan 2018);
- The CSI Effect: Limitations Vs Expectations (Forensic Focus, Nov 2017);
- Iron Bars, Cement and Super Glue (Forensic Focus, Sept 2017);
- When No Conclusion is a Conclusion: Facial Comparison (Forensic Focus, Aug 2017);
- Audio Forensics in 2017 (Digital Forensics Magazine, Aug 2017);
- The Future of ENF Systems (Forensic Focus, Aug 2017).

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### **CONFERENCES AND CONTINUING EDUCATION**

- Forensic Image Processing Workshop (AAFS 2018, Seattle, Feb 2018);
- American Academy of Forensic Science Annual Conference (Seattle, Feb 2018);
- AES Audio Forensics Conference (Arlington, June 2017);
- American Academy of Forensic Science Annual Conference (New Orleans, Feb 2017);
- American Academy of Forensic Science Annual Conference (Las Vegas, Feb 2017).

### **PROFESSIONAL MEMBERSHIPS**

- Audio Engineering Society;
- Forensic Imagery Analysis Division;
- Chartered Institute of Forensic Science;
- International Association for Identification.