

MICHAEL ERICKSON

303.596.3110
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FORENSIC VISUALIZATION

EDUCATION

KANSAS STATE UNIVERSITY		
B. Arch	Architectural Studies - 5 year NAAB accredited program	1999

LICENSES & CERTIFICATIONS

Certified Commercial Drone Pilot – FAA
Part 107
Certified Forensic Video Technician
(CFVT) – LEVA

AFFILIATIONS

Society of Automotive Engineers

PROFESSIONAL PROFILE

Mr. Michael Erickson has over 25 years in the visualization industry starting out focusing on architectural design and presentation. In the last 10 years, this has included designing and creating demonstrative exhibits for forensic work including accident reconstruction, photogrammetry, and video processing. Mr. Erickson makes extensive use of 3D modeling to communicate complex concepts to juries. He is proficient in forensic analysis of photographs and video and has completed training by the Law Enforcement and Emergency Services Video Association (LEVA).

AREAS OF EXPERTISE

3D Modeling
Photogrammetry
Video Processing
Video Analysis
Animation
Rendering

EXPERIENCE

Explico

2022 - Present *Senior Forensic Animator*

Luminous Forensics

2020 - 2021 *Forensic Animator*

Erickson 3D

2013 - 2020 *Owner*

Worth Group Architects, P.C.

2005 - 2013 *Animation Studio Director*

Systems Design International

2002 - 2005 *Animation Studio Director*

M2 Studio

1999 - 2002 *Owner*

SOFTWARE / SKILLS

3DS Max

Vray

Autocad

SynthEyes

Maxscript

Photoshop

Premier

Pix 4D

Cloud Compare

Recap

FFmpeg

Omnivore

PEER-REVIEWED PUBLICATIONS

Smith, C.A., Erickson M., and Hashemian, A., "Discrepancies between Metadata and Actual Camera Field of View: A Photogrammetric Approach," SAE Technical Paper 2025-01-8686, 2025, doi:10.4271/2025-01-8686.

Barreiro, E., Erickson, M., Smith, C., Carter, N., et al., "Validating the Sun System in 3ds Max for Recreating Shadows," SAE Technical Paper 2025-01-8685, 2025, <https://doi.org/10.4271/2025-01-8685>.

PROFESSIONAL DEVELOPMENT

Society of Automotive Engineers

Photogrammetry and Analysis of Digital Media

Law Enforcement and Emergency Services Video Association

Forensic Video Analysis & The Law

Digital Multimedia Evidence Processing

The Principles of Forensic Video / Image Compare and Contrast

Advanced Forensic Video Analysis & The Law