

# MICHAEL ERICKSON

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## FORENSIC VISUALIZATION

## EDUCATION

<b>KANSAS STATE UNIVERSITY</b>		
<b>B. Arch</b>	Architectural Studies - 5 year NAAB accredited program	1999

## 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).

## LICENSES & CERTIFICATIONS

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

## AREAS OF EXPERTISE

3D Modeling  
Photogrammetry  
Video Processing  
Video Analysis  
Animation  
Rendering

## AFFILIATIONS

SAE International

## EXPERIENCE

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### 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

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**3DS Max**

**Vray**

**Autocad**

**SynthEyes**

**Maxscript**

**Photoshop**

**Premier**

**Pix 4D**

**Cloud Compare**

**Recap**

**FFmpeg**

**Omnivore**

## PEER-REVIEWED PUBLICATIONS

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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

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### **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*