



## **IAN GRISSOM, BSME, ACTAR** PROFESSIONAL BIOGRAPHICAL OUTLINE

### **BACKGROUND**

Mr. Grissom is a forensic scientist and accident reconstructionist specializing in the investigation of motor vehicle accidents. Mr. Grissom earned a Bachelor of Science in Mechanical Engineering at Seattle Pacific University. During his studies, he focused on mechanical deformation and kinematics including vehicle motion. Mr. Grissom is experienced in three dimensional laser scanning, photogrammetry, and processing data to perform analyses. He is a certified BOSCH Crash Data Retrieval (CDR) Technician, and is an ACTAR Accredited Accident Reconstructionist (#3820). He is a member of the American Society of Mechanical Engineers (ASME), and the Society of Automotive Engineers (SAE).

### **AREAS OF SPECIALTY**

- Accident Reconstruction
- Three-Dimensional Laser Scanning
- Event Data Recorder (EDR) Imaging
- Photogrammetry
- Three-Dimensional Modeling & Overlay
- Vehicle Motion Analysis
- Scene Diagramming & Modeling
- Pedestrian & Motorcycle Accident Analysis

### **EDUCATION**

- Bachelor of Science, Mechanical Engineering, Seattle Pacific University, 2017

### **PROFESSIONAL EXPERIENCE**

#### **May 2019 – Present | ARCCA, Incorporated | Accident Reconstructionist & Forensic Engineer**

- Investigates and reconstructs motor vehicle collisions
- Performs accident site and vehicle inspections
- Images Event Data Recorders in passenger vehicles
- Documents and analyzes evidence utilizing 3D laser scanning hardware and software
- Assesses vehicle dynamics in response to applied crash forces
- Utilizes reconstruction software such as EDCRASH, EDSMAC, FARO SCENE, and PhotoModeler

#### **November 2017 – April 2019 | Collision Research & Analysis Inc. | Forensic Engineer & Accident Reconstructionist**

- Used FARO reconstructive software to process and analyze 3D vehicle and scene data
- Created 3D & 2D diagrams and models using AUTOCAD & FARO reconstructive software to be used in forensic analysis and given to defense attorneys for use as expert evidence
- Performed various exemplar vehicle inspections individually using FARO 3D laser scanners

#### **2017 | Seattle Pacific University | Senior Design Student & Research Intern**

- Worked alongside 5+ interdisciplinary colleagues on two separate projects to be presented to members of the university board
- Managed mechanical design and construction for critical systems involved in the functioning of the project
- Reported directly to professors and members of the engineering community to present findings and results



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## PROFESSIONAL AFFILIATIONS

- ACTAR Accredited Accident Reconstructionist, #3820
- American Society of Mechanical Engineers (ASME)
- Society of Automotive Engineers (SAE)

## PROFESSIONAL COURSES TAKENS

- Traffic Crash Reconstruction, University of North Florida Institute of Police Technology and Management
- Bosch Full CDR Technician, University of North Florida Institute of Police Technology and Management

## HONORS & AWARDS

- Seattle Pacific Engineering Senior Design Scholarship Award—Won 1<sup>st</sup> Prize, Seattle, WA