# IAN GRISSOM, BSME, ACTAR
PROFESSIONAL BIOGRAPHICAL OUTLINE

## BACKGROUND

Mr. Grissom is a Senior Accident Reconstructionist specializing in the reconstruction of passenger vehicle, commercial vehicle, bicycle and pedestrian collisions. He is certified to access and interpret Heavy Vehicle Event Data Recorders and is also a certified as a BOSCH Crash Data Retrieval (CDR) Technician. His experience also encompasses human factors related to motor vehicle accidents, including driver response and night time visibility analyses. He is accredited by the Accreditation Committee for Traffic Accident Reconstruction (ACTAR #3820) and is experienced in the acquisition and analysis of vehicle telematics data, including advanced driver assistance systems (ADAS). Mr. Grissom is also experienced in conducting scene diagrams and drawings utilizing computer aided design software and photogrammetry analyses.

Mr. Grissom earned a Bachelor of Science degree in Mechanical Engineering from Seattle Pacific University. During his studies, he worked within multiple interdisciplinary engineer teams to plan, design, and manufacture deliverables for faculty and staff review. Mr. Grissom remains up-to-date with the advancements in automotive technology and data recording capabilities of both passenger and commercial vehicles, and is actively conducting research in these areas.

## AREAS OF SPECIALTY

- Heavy Truck Accident Reconstruction
- Heavy Truck EDR (Black Box)Imaging and Analysis
- Passenger Vehicle Event Data Recorder (Black Box) Imaging & Analysis
- Vehicle Telematics and Advanced Driver Assistance Systems (ADAS)
- 3D Laser Scanning
- Sightline Analyses
- Photogrammetry
- Pedestrian/Bicycle Accident Analyses

## EDUCATION

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

## PROFESSIONAL EXPERIENCE

### May 2019 – Present | ARCCA, Incorporated | Senior Accident Reconstructionist

- Investigates and reconstructs passenger and commercial motor vehicle collisions
- Images and interprets Event Data Recorders in passenger & commercial vehicles
- Recovers and interprets vehicle telematics data, including data from Advanced Driver Assistance Systems (ADAS)
- Evaluates human factors involved in perception response times and night time visibility analyses
- Performs vehicle, site, and evidence inspections
- Evaluates enhanced / altered damages, staged collisions, and phantom vehicle incidents
- Documents, analyzes, and preserves forensic evidence utilizing 3D laser scanning hardware and software
- Assess occupant motion, vehicle dynamics, and impact severity in response to applied crash forces
- Evaluates restraint system usage
- Conducts static push / pull testing

**November 2017 – April 2019 | Collision Research & Analysis Inc. | Forensic Engineer Technician**

- Utilized 3D laser scanning hardware and software to process and analyze vehicle and scene data
- Created 3D & 2D diagrams and models using AUTOCAD & FARO software to be used as admitted litigation evidence
- Performed exemplar vehicle inspections and seatback testing

**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 faculty and members of the engineering community to present findings and results

## PROFESSIONAL COURSES TAKEN

- Heavy Vehicle Electronic Control Module Data Use in Crash Reconstruction, University of North Florida Institute of Police Technology and Management, 2022
- Human Factors for Traffic Crash Reconstruction, Crash Safety Solutions, 2021
- Event Data Recorder Use in Traffic Crash Reconstruction, Ruth Consulting, 2021
- Traffic Crash Reconstruction, University of North Florida Institute of Police Technology and Management, 2019
- Bosch Full CDR Technician, University of North Florida Institute of Police Technology and Management, 2019

## TECHNICAL SEMINAR INSTRUCTION

- **Grissom, I.**, Morse, B., *Heavy/Commercial Vehicle Event Data Recorders: Applying Digital Data to Reconstruction*. Seattle, Washington; January, 2023.
- **Grissom, I.**, Markushewski, M., *Introduction to Accident Reconstruction and Biomechanics*. Omaha, Nebraska; August, 2022.
- **Grissom, I.**, Morse, B., *Latest Updates and Trends in Vehicle Telematics*. Seattle, Washington; June, 2022.
- **Grissom, I.**, Morse, B., *Analyzing Distracted Driving: A look at Human Factors, EDR and Autonomous Systems*. Seattle, Washington; January, 2022.
- **Grissom, I.**, Teitelman, J., *Advancements in Automotive Technology: Infotainment, The Black Box, and Advanced Vehicle Data*. Columbus, Ohio September, 2021.

## PROFESSIONAL AFFILIATIONS

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