

Joseph M. Hubert

Professional Competencies:

Forensic Technician who performs:

- 3D Laser mapping of accident sites and vehicle damage profiles
- Inspection and measurement of vehicles
- Evidence documentation and chain of custody management
- EDR and ECM crash data imaging/downloads
- 3D and CAD development of computer graphic environments and models
- HVE vehicle dynamics simulations
- Aerial drone/UAV property and scene inspections

Design and Development Technician who performs:

- Design, quality and testing
- Equipment calibration and maintenance
- Test fixture building, preparation and operation
- Computer aided design (CAD)

Experience Summary

- General automotive mechanics
- General machining
- CAD Technician

Employment History:

Wolf Technical Services, Inc., Indianapolis, IN

Engineering & Forensic Technician (August 2000 to Present)

Mr. Hubert serves as a technician, assisting the engineers and reconstructionists with a variety of tasks. In forensics, he performs laser mapping of accident sites and vehicle damage profiles using a Total Station survey, inspection and measurement of vehicles, and field survey work which includes documenting evidence. As an FAA Remote Pilot, he captures aerial images and video with our drone/UAV for both property and scene inspections. He manages the intake and storage of evidence, preserving the chain of custody. He is a certified Bosch CDR Technician, imaging or downloading data from vehicle Event Data Recorders





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(EDRs) or heavy truck Electronic Control Modules (ECMs). He also performs photogrammetry analysis and digital rectification of photographs for all types of projects. He builds 3D environments for HVE as well as 3D computer graphics.

For Wolf's development projects, he serves as a design, quality and test technician. He ensures all equipment is calibrated and maintained. He builds, prepares and operates test fixtures as well as assists with assembly of prototypes. He also provides computer-aided design (CAD) drawings.

Education:

Lincoln Technical Institute - Indianapolis, Indiana 2000
Associate of Applied Science Degree in Mechanical Drafting

Continuing Education:

- Motorcycle Safety Foundation Basic Rider Course 2022
- FARO Virtual Workshop: Crash Reconstructions Series (10 hours) 2021
- Crash Data Group EDR Summit (20 hours) 2019
- FARO Workshop (OTARA) 2017
- FARO Laser Scanner Training Program (24 hours) 2017
- Preserving and Analyzing Information from Heavy Vehicle EDRs 2017
Northwestern University Center for Public Safety
- Online Ground School Certificate of Completion for FAA UAS 2017
Knowledge Test – Remote Pilot 101
- HVE Forum, Engineering Dynamics Corporation 2015
- CDR Operator's Course, Analysis and Applications Course 2012
Crash Data Specialists
- Bosch CDR Technician Training & Data Analyst Course 2010
Collision Safety Institute
- Forensic Photography 1 class, Cleary Visible Presentations LLC 2009
- CDR Operator's Certification Course – Collision Safety Institute 2006
- HVE Forum, Engineering Dynamics Corporation 2001

Software:

HVE, Photo Modeler, SolidWorks, Rhinoceros, AutoCAD, FARO Scene, FARO Zone 3D, Pix4D

Certifications, Current and Former Affiliations:

Bosch Certified Crash Data Retrieval (CDR) Technician

Bosch Certified Crash Data Retrieval (CDR) Analyst

(Past) FAA Remote Pilot Certificate – Small Unmanned Aircraft System

Member of OTARA (Ohio Traffic Accident Reconstruction Association)