

# Curriculum Vitae

## Donald C. Macher Jr., ACTAR



Mr. Macher has 29 years of experience within civil engineering disciplines. Mr. Macher is skilled in scene investigation, evidence collection, preservation from vehicles and sites, computer photogrammetry, total station forensic mapping of vehicles and crash sites, and processing of 3-D digitally scanned images. Mr. Macher's experience also includes roadway geometry design, traffic signal design, construction and engineering inspection, and structural design of bridge abutments and retaining walls. He has investigated and assisted in the reconstruction of complex crashes involving multiple vehicles, heavy trucks, pedestrians, bicycles, and motorcycles. His ability to respond promptly has resulted in the preservation of critical evidence. Mr. Macher also has 21 years of experience on the waters of Florida, boating and fishing. He currently owns and operates an inshore/offshore fishing charter service in Central Florida.

### Licensure and Certification

- ACTAR Accredited Traffic Accident Reconstructionist #2771
- Licensed United States Coast Guard Captain, Merchant Mariner, #1524460
- IMSA Certified Traffic Signal Technician Level II, #BE21496
- IMSA Signs and Marking Specialist Level II, #EE32299
- IMSA Certified Traffic Signal Technician Level I, #AA21496
- IMSA Certified Work Zone Safety Specialist, #ZZ27105

### Formal Education

- Associate of Science, Specialized Technology-Computer Graphics/Architectural CADD  
Pittsburgh Technical Institute, 1985

### Professional Affiliations

- Society of Automotive Engineers (SAE,) Member 2017
- National Association of Reconstruction Specialists (NAPARS)
- Accident Reconstruction Network (ARC Network)
- American Professional Captains Association (APCA), 2009 - present
- International Municipal Signal Association (IMSA), 1999 – present

### Professional Experience

- Forensic Engineering Technologies, LLC, Senior Technician, Orlando, FL, 2011 - present
- PhiSean Ventures, LLC, PhiSean ("Fish-On") Charters, Licensed Charter Captain, Orlando, FL, 2009 - present
- Kimley-Horn and Associates, Inc., Designer/Design Associate, Orlando, FL, 1992 – 2009
- The Reinforced Earth Company, Inc., McLean, VA, Designer, 1987 – 1991
- Greenhome & O'Mara, Inc., Greenbelt, MD, CADD Operator/Drafting Coordinator, 1985 – 1987

### Professional Development

- Accessing and Interpreting Heavy Vehicle Event Data Recorders Seminar, SAE, Appleton, WI, 2017
- World Reconstruction Exposition, Orlando, FL, 2016
- Accident Reconstruction and Investigation, FET, 2015
- EdgeFX – 3D Accident Reconstruction Animation Software, Visual Statement, 2014
- Applying Automotive EDR Data to Traffic Crash Reconstruction, SAE International, 2014
- Traffic Crash Reconstruction I and II, Northwestern University, 2013

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- Traffic Crash Investigation I and II, Northwestern University, 2013
- Heavy Vehicle Event Data Recorders, 2013
- Sea School Merchant Marine Officer Renewal Program, 2013
- FARO Web-Share, 2011
- Kubit Point Cloud Training, 2011
- FARO 3-D Laser Scanner Training, 2011
- Sea School Training, 40 Hours, 2008