DESIGN RESEARCH ENGINEERING
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Robert L. Anthony, M.S.E., P.E., CFEI, CVFI

Professional Specialization

Engineering and failure analysis as related to marine accidents. Naval architecture and marine engineering design and failure analysis. Accident reconstruction of marine casualties and system failures. Testing of equipment and systems in laboratory and field environments. Static and dynamic analysis of stability, resistance and propulsion, planing, seakeeping, and maneuvering. Hydrodynamic analysis of ships and boats and personal watercraft. Digitization and CAD rendering of accident scenes and vessels. Testing and design evaluation of recreational boats, consumer products, and mechanical systems. Investigation of industrial and construction equipment incidents. Fire and explosion investigation.

Professional Background

M.S.E. (Naval Architecture and Marine Engineering), University of Michigan, 2005
B.S.E. (Naval Architecture and Marine Engineering), University of Michigan, 2004
B.S.E. (Aerospace Engineering), University of Michigan, 2004

Registered Professional Naval Architect & Marine Engineer, Michigan #6201057579
Certified Fire and Explosion Investigator (CFEI), #19591-10941v
Certified Vehicle Fire Investigator (CVFI), #19591-10947v
Member, Society of Naval Architects and Marine Engineers
Member, National Association of Fire Investigators
FAA Part 107 UAS Pilot

Senior Project Engineer,
Design Research Engineering, 2011 – present
Project Engineer,
Design Research Engineering, 2005 – 2011
Engineering Intern,
Matson Navigation Company, 2004
Engineering Intern,
The Glosten Associates, 2003
Engineering Intern,
Matson Navigation Company, 2002
Engineering Intern,
Halter Marine, 2001

Honors and Awards

Cum Laude, University of Michigan
Society of Naval Architects and Marine Engineers Scholarship
American Bureau of Shipping Scholarship

Continuing Education

- Participant in NASBLA staged boat collisions (September 2007, Chester, VA)
- Traffic Accident Reconstruction, Northwestern University Traffic Institute (June 2008, Dearborn, MI)
- Participant in NASBLA staged boat collisions (September 2008, Chester, VA)
- National Transportation Safety Board Marine Accident Investigation Course (January 2009, Ashburn, VA)
- Participant in NASBLA staged boat collisions (May & September 2009, Chester, VA)
- Attendance to the Chesapeake Power Boat Symposium (March 2010, Annapolis, MD)
- Attendance to the International Boatbuilder's Exhibition and Conference and Boating Industry Risk Management Council meetings (October 2010, Louisville, KY)

- West System, Professional Level Workshop on Boat Repair (October 2011, Louisville, KY)
- International Boatbuilder's Exhibition and Conference – Three day Educational Seminars (October 2011, Louisville, KY)
- Attendance to the International Marine Forensics Symposium (April 2012, National Harbor, MD)
- Advanced Marine Fire Investigation Course (May 29-30, 2014, Sayreville, NJ)
- Advanced Fire, Arson, & Explosion Investigation Training Program (July 21-24, 2014, Sarasota, FL)
- GPS Forensics and Blackthorn Certification (April 18-20, 2017, Annapolis, MD)
- Vehicle Fire Investigation Training Program (September 18-21, 2017, Lexington, KY)
- ABYC Marine Law Symposium (April 10, 2018, Charleston, SC) – *Presenter: San Diego Sailboat Capsizing*
- Crash Scene Mapping & Reconstruction with Drones (December 5-7, 2018, Ashburn, VA)
- NASBLA Boating Accident Investigation and Analysis Level 1 Comprehensive Course (March 25-29, 2019, Annapolis, MD)
- ABYC Marine Law Symposium (January 7, 2020, New Orleans, LA)
- ABYC/USCG Risk Mitigation Conference (November 9, 2021)
- ABYC Marine Law Symposium (April 6, 2022, Providence, RI)
- ABYC Marine Electric Advisor Certification (September 2022)
- International Association of Marine Investigators Annual Training Seminar (February 28-March 1, 2023, Las Vegas, NV) – *Presenter: Using Emerging Technology and High-Tech Equipment in Accident Investigation*