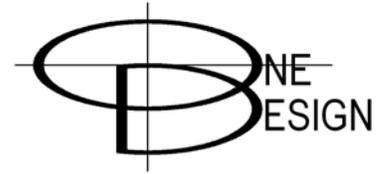




*Curriculum Vitae*

**Daniel J Mielke, PE**

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**PROFILE**

**Powerboat Design Engineer** with 20 years experience in the marine industry, a professional engineering license, a captain's license and a lifetime of boat use, knowledgeable in recreational boat design, construction, safety and operation.

**EXPERTISE**

- Recreational powerboat designer, 20+ years, continuing
- Licensed Structural Engineer, Florida PE 56149
- United States Coast Guard Licensed Operator of Uninspected Passenger Vessels, Ret. With Commercial Assistance Towing endorsement
- Corporate boat handling safety trainer, Boston Whaler
- Licensed FAA Private Pilot
- Teaching Assistant Mechanics of Materials
- Powerboat Helm Layout and Design
- Powerboat Boarding Area Design
- Powerboat Seating and Ergonomics Design
- Powerboat Machinery and Structural Design
- Boat Owner's Manual Author, Boston Whaler and Stingray Powerboats
- Technical Illustrator, Owners Manuals and construction documentation, engineering details produced at a users level

**ACHIEVEMENTS**

- My deposition in a boating accident case resulted in an immediate settlement
- An accident reconstruction team used my boat handling and boat construction advice to accurately model a boating accident
- I represented engineering departments in a boardroom setting to present facts that all can understand
- I directed commercial boat testing for 15 years under severe conditions, with no injuries

## WORK EXPERIENCE

**6/2000 – Present**                      **Design Engineer, Owner**                      **OneDesign, Ltd. Co.**  
(8+ years)

- Defence Expert Witness in a Jacksonville Sheriff boating accident, settled
- Design Engineering for nine new Hinckley yachts
- Engineering and CAD modelling for ten new Everglades boats
- Engineering and CAD modelling for seven new Edgewater boats
- Engineering CAD models for a Light Sport Aircraft
- Additional design clients include: MasterCraft, Albury Brothers, Bluewater, Stingray, Boston Whaler, Regal Marine, Venture Marine, Twin Vee, MB Sports, Bahama Boatworks, Bluewater Sportfishing Boats, and Cape Horn and Yamaha.

**11/93 – 6/2000**                      **Chief Design Engineer**                      **Boston Whaler**  
(7 years)

- Lead Design Engineer for 19 new models 13' to 34' in length; Sales doubled
- Successfully re-entered Boston Whaler in the cabin boat market
- Directed 100 hour product testing on all new models
- Operated an instrumented boat during severe testing. Directed analysis of the results
- Granted two patents pertaining to boat construction
- Implemented 3D computer modelling in the design of new boats
- Authored Owner's Manuals
- Defence Expert Witness in a Louisiana Sheriff's boating accident, settled

**10/89 – 11/93**                      **Design Engineer**                      **Stingray Boat Company**  
(4 years)

- Design Engineering and 3D CAD modelling of eleven new models
- Completed product testing on all new models
- Integrated engineering details and methods into marketing materials
- Authored all Owner's Manuals

**9/87 – 10/89**                      **Design Engineer**                      **Regal Marine Industries**  
(2 years)

- Lead Engineer in six new models 19' to 33'
- Introduced 3D Computer tools in boat design

## EDUCATION

**1984-1987**                      **University of New Hampshire**                      **Master of Science, Ocean Engineering**

**1979-1984**                      **University of Wisconsin, Madison**                      **BS Engineering Mechanics**

## LICENSED

- Structural Engineer, Florida PE 56149
- Private Pilot
- USCG OUPV Ret.