

David C. Fisichella
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Experience:

Employer WOODS HOLE OCEANOGRAPHIC INSTITUTION, Woods Hole, MA

Position Sr. Research Associate, Manager Scientific Shipboard Services, 6/06 to present
*Responsible for providing science instrumentation, equipment and support services to users of Woods Hole Oceanographic Institution's (WHOI) research fleet.
*Principle Investigator, Unmanned Aerial Systems Lab.
*Supervise various departments including; shore-based electrical/mechanical and network engineers, shipboard technicians group, Diving Operations, Pressure Test Facility and NSF East Coast Winch Pool.
*Responsible for all major acquisition and development of shipboard scientific equipment, shipboard networking and satellite data communications systems.
*Oversight of total yearly budgets from three to five million dollars.

Position RESEARCH ASSISTANT, Part time, 10/95 to 6/06
*Shipboard deployment of instrumentation, including lowered Acoustic Doppler Current Profilers, conductivity, temperature and dissolved oxygen meters, deep water sampling devices and acoustically tracked submersible floats.

Employer CAPE COD VISION PRODUCTS, Woods Hole, MA
Provider of adaptive products and services to the blind and visually impaired.

Position CONSULTANT/OWNER, 10/95 to 6/06
*Perform on-site evaluations for individuals, businesses, schools and state service providers.
*Design, purchase and install various types of adaptive vision equipment, including optical, PC based and autonomous reading systems.
*Provide group and individual user training on all types of blind and low-vision adaptive aids.
*Develop marketing plans which include advertising, trade shows and seminars.

Employer SEA EDUCATION ASSOCIATION, Woods Hole, MA

Position MARINE ENGINEER, 10/95 to 3/05
*Chief engineer aboard 135 foot sailing school vessels responsible for operation and maintenance of all marine systems and machinery.
*Provide instruction to students in on-board classroom environment in areas of nautical science.
*Develop documentation for Marine Departments engineering procedures manuals.
*U.S. Coast Guard licensed Master, 100 tons, Aux. Sail and AB Sail certificate

Employer TEXTRON DEFENSE SYSTEMS, Wilmington, MA

Position SENIOR ENGINEER, 9/87 to 9/95
*Developed training plans for the instruction of technicians in the use of automated process equipment, automatic test equipment and manual electronic assembly techniques.
*Technical interface with government program representatives.
*Designed and implemented inspection protocols for a high-volume production environment.
*Authored Textron specifications for PWA flex assembly and surface-mount technology.
*Certified category "C" instructor/examiner, MIL-STD-2000, China Lake Naval Weapons Center. *Negotiated technical requirements of multi-million dollar subcontracts.
*Performed capability studies of potential subcontractors to design requirements.
*Generated cost proposals for engineering effort to design and manufacture tactical weapon and guidance systems. *Developed corrective action plans to improve subcontractor design and process related deficiencies. *Member, SFW program CCB, responsible for design drawing/EC review and approval.
*Member, Textron Material Review Board.
*Maintained ultimate responsibility for subcontractor performance and delivery to contract

requirements for subcontracts in excess of one million dollars.

Position ACTING MANAGER, Advanced Quality Engineering, 3/87
to 9/87 Responsibilities:

- *Supervised a staff of 15 engineers in mechanical, electrical and test groups.
- *Allocation and budgeting floor engineering costs and resources.
- *Developed statistical techniques for process control and improvement of process efficiency.
- *Provided manpower forecasts and cost estimates for engineering proposal efforts. •Directed departmental budget for salaries and capital equipment purchases.

Position QUALITY ENGINEER, 3/85 to 3/87

Employer AUTOMOTIVE RESEARCH AND CERTIFICATION, Inc. Haverhill, MA
Developer and manufacturer of automotive emission and safety systems.

Position PRODUCT ENGINEER, 1/82 to 3/85

- *Performed analysis and mathematical modeling for impact simulation.
- Company liaison to the Environmental Protection Agency and Department of Transportation. •Implemented procedures for monitoring equipment status and collecting data during product development. *Established quality control guidelines and limits.
- *Developed various safety systems related to passenger protection during side and frontal impact.
- *Supervised technical and clerical personnel.

Employer CHOMERICS, Inc., Woburn, MA
Maker of specialty materials for electronic applications.

Position RESEARCH ENGINEER, 4/80 to 1/82

- *Developed method for bonding cross-linked plastics to metal substrates.
- *Developed automated material handling methods for new material production
- *Performed mathematical structural modeling using ANSYS computer aided Finite Element Analysis.
- *Created automated data collection techniques and test equipment for various research projects.

Education

University: Northeastern University, Boston, Massachusetts
Lincoln College, Department of Mechanical Engineering

Bachelors of Mechanical Engineering Technology
9/78 to 6/83

Affiliations: *UNOLS Research Vessel Technical Exchange Committee, Committee Chair
*Marine Technology Society
*Board of Directors Ski-For-Light International, Minneapolis, MN, outdoor recreation for the blind.
*Community Boating, Boston, MA, handicapped sailing programs
*Academy Of Model Aeronautics
*Soaring Society of America