# Michael F. Palmieri

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Objective: Graduate student in Ocean Engineering seeking employment in the field of ocean technology. Areas of interest include: underwater robotics, instrumentation and acoustics.

## EXPERIENCE

**Intern, ONR & ASEE Naval Research Enterprise Internship Program (NREIP)** **Summer 2007**
Naval Undersea Warfare Center (NUWC) Newport, RI
Advanced Acoustics Division, Code 821

- Preparing an autonomous moored profiler fitted with acoustic vector sensor system for initial at-sea testing, gaining experience with vector sensor processing algorithms and autonomous platform deployment.

**Ocean Instrumentation Technician, SubChem Systems, Inc.** **Mar 2007 – Present**

- Assisted with the mechanical design and fabrication of several chemical and biological sampling instruments.

**Navy Nuclear Submarine Officer** **May 2000 – Sep 2006**

Nov 04 – Aug 06: U.S. Fleet Forces Command, N5 Fleet Strategy, Policy, and Doctrine

**Joint Strategy & Policy Officer**

- Assisted head of policy branch with planning, organizing, and monitoring the Navy's implementation of Title X policy and FFC relationships with other military commands.

Oct 01 – Nov 04: USS LOUISVILLE (SSN-724)

**Assistant Operations Officer / Assistant Engineer**

- Second-in-charge of 60-man department responsible for operation of nuclear engineering plant
- Qualified Navy Nuclear Engineer by the Department of Naval Reactors

**Quality Assurance Officer / Ships Diving Officer**

- Administered critical ship-wide program responsible for planning and documentation of nuclear and SUBSAFE work; also authored ship-wide work controls instruction
- Responsible for safety of initial sea trial dives following extended drydocked availability

**Damage Control Assistant / Main Propulsion Assistant / Reactor Controls Assistant**

- Directly managed up to 25 technicians who maintained complex engineering systems critical to safe operation of nuclear submarine; responsible for all preventive and corrective maintenance performed on these systems

Jun 00 – Jun 01: Navy Nuclear Power School and Prototype Training

- Advanced coursework in Math, Thermodynamics, Chemistry, Physics, Engineering and Materials.

## EDUCATION

**Masters of Science in Ocean Engineering** **Expected May 2008**
University of Rhode Island 3.72 GPA

- Member 2007 URI autonomous underwater vehicle (AUV) Team; implementing Netburner (Freescale ColdFire) microcontroller as primary controller/data logger.
- Awarded Teaching Assistantship 2006-2007 academic year
  - Spring 07: Assisted with undergraduate electronics class and lab; supervised students designing and building AUVs controlled via microcontroller.
  - Fall 06: Assisted with undergraduate lab class; supervised students taking CTD / turbidity measurements, conducting ROV and side scan sonar operations.
- Coursework includes: underwater data collection systems, sonar design, underwater acoustics
  - Worked on a 5-person team to design an autonomous surface vessel that executed a pre-set course and returned to a home position, while logging vessel parameters including position via GPS.

**Masters of Engineering Management** **May 2006**
Old Dominion University 3.7 GPA

- Coursework included: Project Management, Quality Systems Design, Integrated Systems Engineering

**Bachelors of Science in Electrical Engineering** **May 2000**
Tulane University 3.3 GPA

- Graduated with Departmental Honors
- Awarded merit-based Founders Scholarship (1996) and NROTC scholarship (1997-2000)

## PERSONAL

- Computer Skills: MATLAB, Solidworks, OrCAD Capture, C/C++, MS Office, internet and email apps.
- Member: IEEE/Oceanic Engineering Society(OES), AUVSI
- Volunteered over 100 hours in 2005 with Virginia Aquarium's Marine Mammal Stranding Program