

FRANCIS LOZIER
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SUMMARY OF OBJECTIVE AND QUALIFICATIONS:

Seeking a position as an able seaman or vessel operator on an oceanographic research vessel. Fourteen years combined experience in marine technology, hydrographic surveying and civil engineering.

Software Experience:

AutoCAD Mechanical Desktop
Nobletech
Terramodel
Hypack Max
Caris_HIPS

Programming Experience:

MATLAB
Visual Basic
Unix
C

EDUCATION, TRAINING & LICENSES:

USCG 50 Ton Master Near Coastal
USCG Able Seaman Limited
STCW-95 Endorsement, Radar Unlimited/ARPA/GMDSS
PMI/MITAGS Graduate – AB to Mate Program, 2008
NOAA Tide Station Installation/ACSM Surveying Certificate, 1998
Marine Diving Technology Commercial Certificate – Santa Barbara City College, 1996
Vocational coursework in Marine Mechanics, Electronics and Offshore Equipment Maintenance – 1994-96
UCSB, B.A. Chemistry, 1983 – 1986

EMPLOYMENT HISTORY:

Able Seaman/Junior Officer Trainee

NOAA/NATIONAL MARINE FISHERIES SERVICE 1/2007 - Present
1801 Fairview Avenue, Seattle, WA 98102 (206) 553-7656

As an able seaman and junior officer in training I work with the officers, scientists and crew on three of the National Marine Fisheries research vessels. Our mission is to conduct fisheries and oceanographic surveys in the Bering Sea, Gulf of Alaska and near coastal areas of the Pacific Northwest and Canada. The ships I have served on are the 1600 GT fisheries research ship Miller Freeman, the 1800 GT oceanographic research ship McArthur II and the 1800 GT hydrographic ship Rainier. My primary function is to perform lookout and bridge watch keeping duties as well as general deck work. I also assist with all aspects of underway navigation including voyage planning, pre-arrival/departure checklists and chart plotting. On deck and bridge, I work with officers and scientists by performing a variety of operations, the objective of which is to acquire data for the development of physical modeling of oceanographic and hydrographic trends. We routinely deploy and retrieve sub-surface mooring buoys that acquire data of ocean currents, salinity, temperature, dissolved gases, nutrients and other physical and chemical properties. I operate hydraulic winches and a gantry A-frame for the deployment of plankton tow apparatus (MOCNESS), CTD rosettes and other oceanographic instrumentation. I perform line handling, fire and safety equipment checks and hourly ship security checks. My subordinate duties consist of basic maintenance of hydraulic equipment and cleaning of the ship's interior and exterior areas.

Hydrographic Surveyor/Survey Party Chief

GAHAGAN AND BRYANT ASSOCIATES, INC. 6/2003 – 5/2006
405 Forty Ninth Street, Oakland, CA 94609 (302) 652-4948

My primary responsibility was to supervise data acquisition and adherence of quality control procedures for hydrographic surveys, dredging projects, beach enhancement and port construction projects. I was the boat captain and field party chief for all hydrographic surveys which required the coordination of shore personnel for the purpose of monitoring of tide stations and differential positioning equipment. I was in charge of surveying vertical control monuments in addition to conducting Q.A. and Q.C. procedures of positioning equipment. My duties included daily calibration of hydrographic and oceanographic equipment. The survey platforms consisted of *Type 2* survey vessels equipped with *ODOM* MK II 3200 single beam sonar systems, *Trimble* 300NT GPS and *TSS* DMS-25 IMU. In addition, I worked with associates to complete the processing of hydrographic data and in other aspects of dredging engineering analysis. I was also responsible for drafting bathymetric maps and for performing pre and post-dredge volume calculations. Our project base was sourced from the following clients: USACE Tampa district, Port of Oakland, Port of Long Beach, Port of San Francisco, Chevron, Inc. and private dredging contractors.

Engineering Technician/Hydrographic Surveyor

PACIFIC AFFILIATES, INC. 8/2001 – 6/2003
990 Waterfront Drive, Eureka, CA 95501 (707) 445-2000

I was primarily responsible for performing both land and hydrographic surveys for the purpose of dredging projects, port construction, environmental monitoring and for river gravel-bar extraction surveys. The survey systems included *Topcon* Totalstation, *Nikon* rod and transit and *Type 1* survey vessels equipped with *ODOM* MK II 3200 single beam sonar systems. I was responsible for maintaining the civil engineering drawing database and I was in charge of drafting marine construction plans and detail construction drawings using *AutoCAD LDD*. I was also involved in pre-construction surveys for septic system designs and wastewater projects. My additional responsibilities included performing pre and post-dredge volume calculations for dredging projects and to write drainage and mitigation reports for pre-construction site assessment.

Hydrographic Survey Technician

NATIONAL OCEAN SERVICE/NOAA 2/1998 - 2/2000
1801 Fairview Avenue, Seattle, WA 98102 (206) 553-7656

As a survey technician, I worked with officers and crew performing hydrographic surveys in regions of the Pacific Northwest for the purpose of nautical chart production. The survey platforms consisted of the 1800 GT *Class II* ship RAINIER and several *Type 2* survey boats. I conducted surveys using the following types of sonar systems: *Seabeam* MKII medium depth multibeam sonar, *Klein* SS IV side-scan sonar, *Reson Seabat* 8101 multibeam sonar and *Innerspace/Echotrack* single-beam sonar systems. The survey workstations used were an *IDSSS* VAX/VMS and an *ISIS* hydrographic data computer system for data acquisition and navigational analysis. I performed data processing using *Caris_HIPS* hydrographic software for raw data editing, tides and navigation data merge and for the creation of digital terrain models. I deployed and processed *Seabird* CTD instruments for the integration of sound velocity data into sonar datasets. I was also involved with the installation and monitoring of differential base stations. I assisted with tide station installation, leveling and monitoring. In addition, I assisted marine engineers with the installation and configuration of multibeam sonar systems into survey vessels. I drafted detail drawings of hydrographic equipment using *AutoCAD Mechanical Desktop*. I also wrote descriptive reports of completed hydrographic surveys for submission to the National Ocean Service hydrographic branch.

Engineering Technician

CITY OF SANTA BARBARA, DEPARTMENT OF CIVIL ENGINEERING 2/1997 – 2/1999
630 Chapala Drive, Santa Barbara, CA 93106 (805) 564-5363

I was primarily responsible for manual and electronic drafting using *AutoCAD LDD*. Additionally, I was involved with the reduction and processing of topographic data obtained from field surveys for pre and post-construction projects; e.g., water/sewer mainline systems, pre-construction site plans and subdivision construction surveys. I participated in field survey operations as the *Rodman* and I was responsible for downloading of survey data. In addition, I created plan view drawings of regional areas of the City of Santa Barbara's water and sewer infrastructure. I also created digital terrain models and performed cut and fill computations of topographic areas for grading projects. My other subordinate duties included assisting civil engineers with the completion of cost estimates for project proposals.

Marine Diving Technician/Boat Operator

CALIFORNIA MARICULTURE, INC. 1/1994 - 2/1997
2932 Cliff Drive, Santa Barbara, CA 93109 (805) 687-2618

As lead diving technician, I was responsible for diving operations which included the construction of mariculture habitats and the feeding and harvesting of red abalone. Diving operations were performed using both surface supplied and scuba diving systems. In addition, I performed basic maintenance and repairs of our work boats and commercial diving equipment. I operated the work boats in transit to and from the project areas. Some of my other responsibilities included the collection of physical data pertaining to mariculture research by employing *Nansen* instrumentation for water sample analysis. In addition, I completed weekly population counts and I conducted examinations of aragonite shell structure for growth rate and health assessment.

Chemist/Project Manager

NUSIL TECHNOLOGY, INC. 3/1988 - 8/1993
1040 Cindy Lane, Carpinteria, CA 93013 (805) 684-8780

My responsibility was centered on two research and development projects targeted for aerospace and biomedical applications. These projects entailed the formulation and development of silicone polymer materials; e.g., varied molecular weight polymers, resins, cross-linkers, chromophores and silicate bases. My primary work area was based in the wet chemistry laboratory where I routinely performed small-scale experiments in addition to quality control testing of development materials. Secondly, I worked in the analytical laboratory where I conducted quantitative and qualitative testing of reagents and raw materials using GPC and HPLC chromatography. I was also responsible for supervising the manufacturing procedures for scale-up development projects. In addition, I wrote the manufacturing reports for the synthesis of material standards and for production-scale manufacturing.

PERSONAL INFORMATION:

I am a single, self-motivated individual in excellent health. My goal is to become a licensed deck officer and work on UNOLS oceanographic research vessels. I have personal interests in marine architecture, nautical science, marine engineering, literature and water sports. I have traveled extensively in the United States, Canada, Indonesia and Europe. I also have advanced certification and training in both recreational and commercial diving and I have competed in Masters and Intercollegiate swimming leagues.

REFERENCES:

Refer to the phone numbers listed above. Written references may also be provided.