

FRANCIS LOZIERE
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Point Richmond, CA 94801
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(206) 698-2690

SUMMARY OF EXPERIENCE AND QUALIFICATIONS: I am a professional mariner and marine technician with over 25 year's work experience in marine transportation and hydrographic surveying. In the past ten years I have worked as a navigation officer and survey technician collecting oceanographic and hydrographic data for fishery surveys, nautical charting, port construction and dredging projects.

LICENSES, CERTIFICATES & TRAINING:

Master of Unlimited Tonnage of Motor or Steam Vessels upon Great Lakes or Inland Waters
Master 1600 Gross Tons of Motor or Steam Vessels upon Oceans
First Class Pilot on AGT vessels upon waters of Southeast Alaska and Washington Ship Channel
ABYC Marine Technician Certification/Offshore Commercial Diving Certification
FCC Radio Operators License (GMDSS)
MEDPIC Certification
US Navy Veteran

EDUCATION:

Westlawn Institute of Marine Technology Graduate - Marine Surveying/Yacht Design Diploma
Maritime Institute of Technology and Graduate Studies (MITAGS) – USCG Unlimited Licensing Program
Commercial Diving Technology Graduate - Santa Barbara City College
University of California Santa Barbara Graduate, B.S. Chemistry

Graphic Software and Programming Experience:

AutoCAD LDD & Civil Design
Rhino/Orca3D
Terramodel
Hypack Max
MATLAB
Excel
C++

EMPLOYMENT HISTORY:

Second Mate – R/V Marcus C. Langseth

COLUMBIA UNIVERSITY/LDEO, 11/2022 - Present

Marine Operations: 61 Rt. 9W

Palisades, NY 10964 (845) 365-8745

I work for Columbia University (Lamont Doherty Earth Observatory) as a Second Mate/Radio Officer on the R/V Marcus C. Langseth. My principal duty is GMDSS and navigation watch officer. I am responsible for voyage planning of the proposed research cruises. I performed bridge watch standing and navigation duties which include monitoring Radar, ECDIS, conducting GMDSS operational tests and doing terrestrial and celestial navigation. On deck and in the oceanographic survey laboratories, I supervised the deck crew and assisted the scientists with loading, securing and staging of oceanographic equipment. I am responsible for weather buoy operations, SOLAS rescue boat deployments, maintenance and repairs. I am also responsible for the safety equipment inspections and managing the MSDS database.

Chief Mate/Second Mate – R/V Ka'imikai-O-Kanaloa and Kilo Moana

UNIVERSITY OF HAWAII MARINE CENTER/SOEST, 1/2013 – 7/2014 & 6/2021 – 6/2022
965 N. Nimitz Highway
Honolulu, HI 96817 (808) 956-0688

I worked for the University of Hawaii as a relief chief mate and second mate assigned to the university marine center's oceanographic research vessels. My principal duties included ship security, maintenance of all deck equipment, loading and ship stability calculations. I was responsible for voyage planning of the proposed research cruises. I performed bridge watch standing and navigation duties which included monitoring Radar, ECDIS, conducting GMDSS performance tests and doing terrestrial and celestial navigation. On deck and in the oceanographic survey laboratories, I supervised the deck crew and assisted the scientists with loading, securing and staging of oceanographic equipment. I was responsible for buoy operations, rescue boat deployments, maintenance and repairs.

Second Mate/Navigation Officer

ALASKA MARINE HIGHWAY SYSTEM (DOT) 4/2012 – 6/2021
7559 North Tongass Highway
Ketchikan, AK 99901 (907) 228-6814

I worked for the Alaska Marine Highway System as a second mate/watch officer on the state fleet of roll-on, roll-off passenger ferries in Southeast Alaska. As a watch officer, I was responsible for the safe navigation of the ship which requires piloting the ship at night through narrow inland passages of Alaska and Canada. I performed navigation duties that included chart plotting, monitoring Radar, ECDIS, GMDSS, conducting navigation system performance tests, completing NtM chart corrections and writing weekly tides/currents spreadsheets. During in port time, my primary responsibility was bridge security. My secondary responsibilities included the screening and inspection of vehicles, trucks and cargo vans for hazardous materials in compliance with the vessel security plan and the security management system.

Hydrographic Survey Technician/Third Mate

NOAA/NOS 2/1998 - 6/1999 & 12/2006 – 4/2012
Marine Operations Center Pacific
2002 SE Marine Science Drive, Newport, OR 97365 (541) 867-8700

Beginning in 1998 I worked with the officers, technicians and rotating scientists on five NOAA research vessels: *RAINIER* (1,800 GRT) *MILLER FREEMAN* (1,600 GRT) *OSCAR SETTE* (2,000 GRT) *KA'IMIMOANA* (2,100 GRT) and *HI'IALAKAI* (2,100 GRT). On the *Miller Freeman*, I worked as a 3rd Mate and Survey Technician where I assisted scientists with the acquisition of oceanographic data using CTD rosettes. On the *Oscar Sette*, *Ka'imimoana*, and *Hi'ialakai*, I worked as an Able Seaman assisting with the deployment and retrieval of Tropical Atmosphere Ocean monitoring buoys, Tsunami buoys, ADCP buoys and other sub-surface oceanographic data buoys. From 2/1998 to 6/1999, I worked as a Survey Technician on the 1,800 GT hydrographic survey ship *Rainier* conducting surveys in Southeast Alaska for the purpose of nautical chart production. The hydrographic surveys employed 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. I was involved with the installation and monitoring of DGPS base stations and I assisted with tide station monitoring. In addition, I assisted the engineers and technicians with the installation of multibeam sonar systems into the survey boats. I drafted detail drawings of sonar equipment using *AutoCAD* software. I also wrote descriptive reports of completed hydrographic surveys for submission to the National Ocean Service hydrographic branch.

Able Seaman

IBU/GOLDEN GATE TRANSPORTATION DISTRICT AND BLUE & GOLD FLEET 6/2016 – 12/2017
101 East Sir Francis Drake Boulevard, Larkspur, California 94938 (415) 705-8248

I worked for the Golden Gate Transportation District and Blue & Gold Fleet as an able seaman/casual deck through the San Francisco Inland Boatman's Union. I also worked as a terminal attendant and maintenance worker for several of the the San Francisco Transportation District passenger ferries. As a deck hand, I primarily worked on the HSC water jet drive catamarans - **Vallejo**, **Del Norte** and **Golden Gate** (150 GRT)

Hydrographic Survey Technician/Survey Party Chief

GAHAGAN AND BRYANT ASSOCIATES, INC. 6/2003 – 5/2006
405 Forty Ninth Street, Oakland, CA 94609 (302) 462-6532

My primary responsibility was the supervision of survey data acquisition with adherence to USACE quality control standards for hydrographic condition surveys, pre/post-dredging projects, beach enhancement and port construction projects. I was the boat captain and survey party chief for hydrographic surveys which required the monitoring of tide stations and GPS positioning equipment. I was responsible for surveying tide station vertical control benchmarks and for the daily calibration of hydrographic survey equipment. The survey platforms consisted of Type II survey vessels equipped with *Innerspace/Echotrac* single beam transducers, *Trimble* 300NT GPS and *TSS DMS-25* IMU. I worked with civil engineers to complete the processing of hydrographic survey data and with other aspects of the dredging engineering process. I was responsible for drafting bathymetric maps using AutoCAD. Our client base included the following organizations: USACE Tampa Bay district, Port of Oakland, Port of Long Beach, Port of San Francisco, Chevron, Inc. and some private sector companies.

Engineering Technician

PACIFIC AFFILIATES, INC. 8/2002 – 6/2003
990 Waterfront Drive, Eureka, CA 95501 (707) 445-3000

In the field I was involved in conducting both land and hydrographic surveys for the purpose of port construction projects, harbor dredging, environmental monitoring and for river bar sand/gravel extraction. The land surveying system included a *Topcon* total station with *Nikon* Rod and Transit leveling equipment. The hydrographic survey system was a Type I mono-hull boat equipped with an *ODOM* MK II 3200 fathometer and a single beam transducer. In the office I was responsible for maintaining the civil engineering/hydrographic drawing database. I drafted revisions and new drawings of port construction plans and detail drawings using *AutoCAD LDD*. As well, I was also involved in pre-construction site surveys for septic system designs and wastewater projects. My additional responsibilities included performing pre/post volume calculations for dredging projects and writing drainage reports for preconstruction site assessments.

Survey Technician/Draftsman

CITY OF SANTA BARBARA, DEPARTMENT OF CIVIL ENGINEERING/PUBLIC WORKS 1/1997 – 2/1998
630 Garden Street, Santa Barbara, CA 93101 (805) 564-5377

I was responsible for completing manual and electronic drafting using *AutoCAD LDD* and *Civil Design*. In addition, I was involved in the reduction and post-processing of topographic data obtained from field surveys for civil construction projects; e.g., water/sewer mainline systems, pre-construction site plans and subdivision surveys. I participated in field surveys as the *Rodman* and I was responsible for downloading the survey data. In addition, I drafted plan view drawings of regional areas of the City of Santa Barbara's water and sewer infrastructure. I also performed cut and fill computations of topographic areas for grading projects.

Diving Technician/Boat Operator

CALIFORNIA MARICULTURE, INC. 1/1994 - 1/1997
2932 Cliff Drive, Santa Barbara, CA 93106 (805) 687-2618

As a project diver, I was responsible for diving operations which included the construction and monitoring of mariculture habitats as well as animal husbandry of red abalone. The operations were conducted using both surface supplied diving systems and scuba equipment. I performed basic maintenance and repairs of the workboats and diving equipment. My secondary responsibilities included seawater sampling and the collection of physical data for statistics and general health assessment.

PERSONAL DATA SUMMARY:

I am a healthy, physically fit single man, non-smoker with no tattoos. I am a diligent self-starter with good time management skills. By design, I have accumulated a variety of civil and marine related work experience.