

Sean M. Hartley

316 Willard St. Wilmington, NC 28401 | (919)438-7968 | seanhartley56@yahoo.com

August 7, 2017

MBARI, Human Resources
Job Code: AUV-OE
7700 Sandholdt Road
Moss Landing, CA 95039

Dear: Madam or Sir

I am contacting you to respectfully request consideration for employment within MBARI for an open position you currently have available for an AUV Operations Engineer.

In 2015 I graduated with an Associate in Applied Science Marine Technology Degree. While attending college I was also introduced to the professional industry with in class theory and hands on experience, which included wet labs, dry labs and 32 days of offshore training cruises aboard the R/V Cape Hatteras and R/V Dan Moore. During this time a strong emphasis was placed on data collection, data processing, data manipulation, marine navigation, water quality, and environmental/biological sampling utilizing numerous oceanographic techniques. I have since gained extensive experience learning how to follow up on RFPs, bidding jobs, completing field work, processing data, client relations, and completing final reports. I have since obtained my AutoCAD 2015, HYPACK 2016, HYSWEEP 2016, DREDGEPAK 2016 and USACE Construction Quality Management for Contractors certifications.

I most recently worked for Sea Diversified Inc. as a Party Chief and quickly left after the company did not fulfill all of our verbal agreements once I moved for the position. Prior to this I worked for Weeks Marine, Inc. as a Field Engineer II, prior to this I worked for Olin Hydrographic Solutions, Inc. as a Hydrographic Surveyor and CADD Technician. During this time I utilized my knowledge and learned to leverage my Oceanographic and computer skills to meet each individual client's needs. I have successfully completed numerous survey projects in and out of the country. Most experience has been gained on environmental surveys, sediment sampling, coral relocation and mapping, turbidity sampling, diving services, beach nourishment projects, bulkhead\bridge inspections, construction stakeout, and dredging projects. These projects were completed utilizing the use of several software programs not limited to AutoCAD 2013/2015, Civil 3D, echart, and Hypack. Among the use of computers I also maintained and operated the Topcon Total Station, Trimble RTK and Data Collectors, the Odom CV100, sonar mites, the EdgeTech 4125 side scan sonar, among other hydrographic instruments to complete oceanographic surveys. In great efforts I used my experience in creating proposals, processing data and drawing and plotting in AutoCAD to create DTMs, cross-sections, volume calculations, as-built surveys, pre and post-construction surveys, and daily site drawings to continue to push the company forward for success.

I feel this opportunity to join you at MBARI as an AUV Operations Engineer will allow me to continue my passion and enthusiasm for the oceanographic industry and become a valuable addition to the crew. Please find attached my resume and letter of recommendation, which more thoroughly expands on my qualifications.

I am looking forward to speaking with you in the near future to schedule an interview.

Best Regards,

Sean M. Hartley

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EDUCATION

CAPE FEAR COMMUNITY COLLEGE

A.A.S. Marine Technology
A.G.S. General Studies

Wilmington, N.C.
2012 – 2015

Critical Courses

- | | |
|--|--|
| • Marine Software & Data Networks | • Marine GIS |
| • Water Analysis | • Boat Handling/Seamanship |
| • Industrial Skills | • Marine Instrumentation |
| • Marine Navigation | • 5 Research Training cruises (32 days offshore) |
| • Marine Data Processing | • Oceanography |
| • Marlinspike seamanship | • Marine Biology |
| • Hydrographic Surveying | • Invertebrate/Vertebrate zoology |
| • Marine Environmental Sampling & Analysis | • Marine Electronics |

Samples Of Inshore And Offshore Experience

- Safe operation of small engine vessels and 4 hours behind the helm of the R/V Cape Hatteras
- Around the clock navigation skills utilizing paper charts and electronic navigation
- 32 days of offshore research aboard the R/V Cape Hatteras and R/V Dan Moore
- Summer of 2013 I Surveyed the Big Rock about 40nm offshore of Beaufort Inlet using the EdgeTech 4125 Side Scan Sonar, R2Sonic 2022 Multibeam, and the Geometrics G882 Marine Magnetometer. Processed data utilizing HYSWEEP and Sonar Wiz5
- Hydrographic survey of the Chesapeake Bay Bridge Tunnel in the fall of 2014 using the EdgeTech 4125 Side Scan Sonar and the Geometrics G882 Marine Magnetometer
- Numerous surveys of the Cape Fear River using Multibeam, single beam, side scan sonar, and magnetometer.
- Conducted sediment sampling surveys within the Cape Fear River and offshore within the Atlantic Ocean.

WORK EXPERIENCE

SEA DIVERSIFIED, INC.

Party Chief

Delray Beach, FL
February 2017 – June 2017

- Amend Appendixes for final report submittals
- Trailer off-road vehicles and vessels to and from project sites
- Conduct surveys utilizing the Odom CV100 and RTK with Mifi
- Maintain field equipment, vessels, and off-road vehicles
- Produce and plot final drawings, utilizing MicroStation and AutoDesk applications in office
- File management of field collected data
- Utilization of Hypack for data collection and data processing
- Manage in field operations while maintaining the integrity and professionalism of the company

WEEKS MARINE, INC.

Field Engineer II

Covington, LA

July 2016 - December 2016

- Worked closely with the project engineer and state inspectors
- Managed a team of instrument and rod men to oversee efficiency and timely production
- Produced production reports, QC reports, data logging, 56 day graph, and daily summary
- Filed requisitions in field as necessary
- Involved in arranging rotational employee schedules to fit the needs of project
- Utilized AutoCAD and Hypack to render cross sections, templates, and plots.
- Operated RTK, and numerous surveying techniques for construction stakeout and payment surveys.
- Traveled for extensive periods of time
- Installed, setup, configured, tested and maintained all field instruments and supportive components
- Provided support for barges, tugs, and Dredge as needed
- Maintained survey vessels and installed electrical components along with oceanographic equipment as needed

OLIN HYDROGRAPHIC SOLUTIONS, INC

Hydrographic Surveyor, CADD Technician

Miami, FL

July 2015 – July 2016

- Successfully completed Multi-Beam, Single-Beam, DGPS, and RTK surveys
- Maintained survey equipment and office supply inventory
- Used scuba equipment to inspect and complete seawall, bridge and environmental surveys
- Performed scientific sea grass/coral mapping and relocation services
- Utilized grabs and probes for sediment sampling
- Provided QA/QC to client and utilized the Lamotte 2020wi nephelometer on numerous turbidity projects, within permit and Army Corp regulations
- Responsible for maintenance of vessels and engineering uses of equipment for project conditions
- Lived aboard work vessels for duration of projects
- Processed project data for final drawings and pre/post-project report submittals
- Created as-built, pre/post-construction, and hydrographic and environmental survey CAD drawings
- Created cross-sections from alignments, and templates utilizing AutoCAD Civil3D
- Calculated quantities with the utilization of AutoCAD Civil3D
- Responded to client RFPs within a timely and professional manner
- Experience in construction stakeout
- Detailed and legible field notes
- Comprehensive file management
- Produced agenda points and meeting minutes
- Operated heavy equipment on beach projects such as baby excavators, and off-road vehicles

MISSION BBQ

Head Cook

Wilmington, NC

October 2013 – July 2015

- Maintained inventory checklist and ordering of any back of house related products
- Responsible for scheduling of back of house employees including myself
- Prepped food day by day to maintain quality and customer satisfaction
- Greeted each guest while tending to each specific interest or need separately
- Won the annual brisket carving competition and trophy for our store
- Multitasked throughout each day to ensure smooth operation and customer satisfaction
- Acquired the best safety rating throughout the company for our store
- Maintained an average of an A rating on cleanliness through employee interaction

FISHERMANS' POST

Advertising/Sales Representative

Wilmington, NC
March 2011 – October 2013

- Prepared, setup, and worked numerous fishing tournaments
- Utilized Adobe Illustrator to produce free ad newspapers, monthly
- Managed all payments and raffle sales for all fishing tournaments and fishing schools
- Advertised and produced flyers for all fishing schools and tournaments
- Maintained the office premises to include yard work, exterior sanding and painting of the office
- Keeping all merchandise and free ad newspapers organized and itemized
- Delivered free ad newspapers to the local communities on the entire east coast of North Carolina

CERTIFICATIONS AND HONORS

- USACE Construction Quality Management for Contractors - #784 - Expires 8/9/21
- HYPACK 2016
- HYSWEEP 2016
- DREDGEPAK 2016
- AutoDesk AutoCAD 2015
- Open Water Diver, NAUI
- American Heart Association First Aid CPR & AED - Expires 4/30/17
- Current TWIC card and Passport
- Lloyd Dixon Hollingsworth Beau Watkins II Memorial Endowed scholarship

ACTIVITIES AND SKILLS

- Capable of multi-tasking efficiently to increase company efficiency
- Cooperative and work well with others and independently
- Enthusiastic learner and eager to meet challenges
- Manage projects effectively and meet deadlines, detail oriented, able to operate under pressure
- Proficient in a wide variety of applications such as, GIS, AutoCAD, basic MicroStation experience, Hypack, Adobe, Microsoft Suite, Picasa 3, Pdfedit995, Corpcon, and Multimedia Editing
- I enjoy helping my friends in Looe Key, FL with training kids 10 years old to 16 years old scientific diving practices.



Olin Hydrographic Solutions, Inc.

Consulting Engineering, Environmental, and Mapping Services
2301 Collins Ave #411, Miami Beach FL 33139
Phone 1 (305) 619 2800; Fax (305) 695 1929

To Whom it May Concern

6/7/16

RE: LETTER OF REFERENCE FOR SEAN HARTLEY

Supervisor: David Olin, FL P.E. # 57555

This letter is to confirm Sean's employment with my company. I found Sean to be a very hard worker with a good fundamental understanding of the surveying profession. He worked diligently in the field and office without complaint always putting in whatever effort was needed to get the job done on time and within budget. His work knowledge progressed rapidly from the basics learned in his schooling to leading field investigations for water depth surveys and resource mapping all the way to completing the Autocad survey drawings and portraying the finished maps. In a marketing capacity, he helped search for new work and write cost proposals.

Sean has a good understanding of Autocad and Civil 3d and is able to download survey data, build surfaces, calculate volumes, cut alignments and cross sections and produce full drawing sets. He is proficient in setting up and utilizing a Trimble RTK system. He excels in the water, is an excellent diver and snorkeler, has a full understanding of coral relocation techniques, and is in excellent physical condition. He has experience in underwater mapping utilizing Diver to Surface communications and has utilized lift bags for underwater work. Sean is a quick understudy and would be a valuable member of any dive or survey team. He is very punctual and is certainly not afraid of hard work or long hours if it benefits the company.

During his time with OHS, Sean was able to run turbidity monitoring field jobs independently with little supervision and possessed a keen love of the environment. His responsibilities in this regard included handling a 24' aluminum work boat in challenging wave conditions and obtaining water quality samples several times daily. He also produced accurate and timely turbidity reports with Autocad maps. He was very proactive in his efforts to preserve and protect the environment.

In short, Sean was a valuable asset to my company, rapidly increased his salary, got along nicely with his coworkers and was genuinely a pleasure to work with. I am confident he will continue to grow professionally and one day become a professional surveyor and mapper.

Should you have any questions, please call me at (305) 619 2800.

Sincerely,

OLIN HYDROGRAPHIC SOLUTIONS, INC.

A handwritten signature in blue ink, appearing to read "D. Olin", is placed over a faint rectangular stamp.

David Olin, P.E.
President