



Alexis Crouch, B.S.
Marine Technician

Expertise

Broad background in marine biology, physical oceanography, computer systems and computer programming. Experience with oceanographic data collection programs, including the operation and maintenance of real-time monitoring systems in ports and harbors. Academic credentials include B.S in Marine Science and a B.S. in Computer science from Jacksonville University. Primary task as a marine field technician for the NOAA Physical Oceanographic Real-Time System (PORTS) program in Jacksonville, Florida. In this capacity is responsible for the day-to-day management, oversight, client communications, reporting and overall maintenance of the Jacksonville PORTS program.

Education

B.S., Marine Science – 2014
Jacksonville University
B.S., Computer Science – 2014
Jacksonville University

Certificates of Training

RigPass
Open Water Survival/HUET
PADI Open Water Diver
Certified

**Publications and
Presentations:**

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Qualification Summary

- Experience with real-time oceanographic and meteorological measurement system, installation, operation, and maintenance
- Experienced with programming languages: C#, XHTML, CSS, Java, SQL
- Possess strong writing, verbal communication and organizational skills.

Work Experience

2014-Present	Marine Technician, Woods Hole Group Inc.
2012	At Sea Marine Technician Intern, Marine Advanced Technology Education (MATE)

Key Project

Jacksonville Marine Transportation Exchange, Physical Oceanographic Real-Time Systems (PORTS), Jacksonville, FL – Marine Field Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist with day-to-day operations, technical support and reporting, including field support for routine operation & maintenance, annual inspection, station documentation, and emergency service visits.

Real-Time Current Measurement Systems BP, Gulf of Mexico – Marine Field Technician

Maintains the WHG designed system that provides thousand meter current profiles in real-time to the vessel and to the National Data Buoy Center. Upward and downward looking ADCPs are mounted on a frame suspended from two electro-mechanical cables that are positioned with dual hydraulic winches. An articulated A-frame supports the winches and sheave blocks. The system, which is largely automatic, provides power and control signals to the instruments, collects and processes data, and provides real-time displays to operators over the on-board CCTV network

Publications and Presentations

- Crouch A. 2014. Mapping a Rising Hydrothermal Vent Plume. Presented at Jacksonville University 2014. Jacksonville University Student and Staff Symposium.
- Crouch A. 2014. Wireless Underwater Power Transfer. Presented at Jacksonville University 2014. Jacksonville University Computer Science Presentations.
- Frank R. and A. Crouch. 2014. Seasonality Changes in Web Size of the Orchard Spider, *Leucauge venuseta*. Presented at University of Kentucky 2014. National Conference of Undergraduate Researcher.
- Frank R. and A. Crouch. 2014. Seasonality Changes in Web Size of the Orchard Spider, *Leucauge venuseta*. Presented at Jacksonville University 2014. Jacksonville Student and Staff Symposium.
- Sonnenberg L, G. Pinto, N. Goldberg, K. Mann, R. Pyati, G. Bielmyer, S. Chalk, P. Welch, B. Zoellner, V. Seibold, B. Deuerling, J. Hendrickson, J. Higman, et.al. 2013. State of the River Report for the Lower St. Johns River Basin, Florida: Water Quality, Fisheries, Aquatic Life and Contaminates. 2013.
- Crouch A. 2012. MATE Center's Technical Internship Program. Presented at Jacksonville University 2012. Jacksonville University Science Lectures.