



Information Technology Intern Chesapeake Research Consortium-NOAA Chesapeake Bay Office



Project Description

The Chesapeake Research Consortium and the NOAA Chesapeake Bay Office (NCBO) seek a summer intern for the period of late May through mid- to late August 2013 (12 weeks). The intern will support the Information Technology aspects of the Chesapeake Bay Interpretive Buoy System (CBIBS, www.buoybay.noaa.gov).

The intern will primarily work on enhancement of existing Android and iPhone (“NOAA Smart Buoys”) applications that deliver CBIBS data to the public. Associated with this work will be the development of the application for the iPad platform. In addition to application development, the intern will also assist in development of a CBIBS Dashboard, intended to provide field support staff with a visual status of the system’s sensors.

Opportunities

This internship provides an opportunity to learn about and contribute to the study of water quality in the largest estuary in North America. The intern will gain a strong background in the delivery of cutting-edge remote sensing data, diverse water-quality parameters, and NOAA products and services. The intern will work alongside and establish connections with NOAA staff as well as a variety of NOAA partners, with potential for diverse networking opportunities and future career development.

Deliverables

- Hands-on knowledge of the development and maintenance of mobile applications in the Android and Apple development environments
- Experience with web-based quality control and validation techniques
- Opportunities to contribute to product and application development
- Experience working in the field to develop an understanding of the buoy technology
- Presentation to NCBO staff at the conclusion of the internship summarizing work conducted

Requirements

- Motivated self-starter with ability to work independently
- Interest and/or background in application development with experience in HTML, javascript, and JAVA
- Should be comfortable working on the water in a 22-foot boat
- Must be a college-level student entering junior or senior year of undergraduate study

The intern will work at NCBO in Annapolis, MD; access to computers, copiers, and phone services for the position will be provided. The person must be a U.S. citizen and will be reimbursed at the end of each month, for a total of up to \$4,000 for the equivalent of 12 weeks of full-time activities (480 hours). Candidates should expect to follow a normal weekday work schedule (roughly 9-5, M-F) with occasional variations for possible field work or other activities. No benefits are provided. Housing is not provided, but we offer assistance in arranging local housing.

Please submit a short cover letter, résumé, and two references (phone numbers and e-mails) to Dave Jasinski at Dave Jasinski, P.O. Box 1295, Gloucester Point, VA 23062 or through e-mailing djasinsk@gmail.com by February 20, 2013. Please be sure to indicate which position you are applying for in your cover letter.