

Job Description

Job Title: HIOOS Data Systems Management Specialist
Job ID: 29454
Project Name: SOEST
Full/Part Time: Part-Time
Regular/Temporary: Regular

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Job Summary

Regular, Part-Time (25-50% FTE), RCUH Non-Civil Service position with the School of Ocean and Earth Science & Technology (SOEST), Department of Oceanography, Hawaii Integrated Ocean Observing System (HIOOS), located in Honolulu, Hawaii. Actual work location may be off-campus. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, and availability of funds.

MINIMUM MONTHLY SALARY: Salary commensurate with qualifications.

DUTIES: Develop a project schedule, a requirements document and a data management document for the program. Will establish real time data flow from sensors to database, and establish a reliable, scheduled backup of archived shore station data. Will establish web form-based access to data. Maintain access to data via the web. Provide access to and near-real time plotting of present and future nearshore sensor data.

PRIMARY QUALIFICATIONS: **EDUCATION:** Bachelor's Degree from an accredited four (4) year college or university in Computer Science or related science field. **EXPERIENCE:** Five to seven (5-7) years experience with: Java, PostgreSQL, CCS, HTML, Systems and Network Administration of multi-user UNIX, Linux, and MacOS servers deploying standard web, file directory, mail, list, versioning, and database services; Fibre Channel SAN installation and management; RAID and LVM-based storage techniques; DLT tape backup auto-changer management; experience with Ethernet network design, cabling, switches, routers, hubs; system-level programming in Perl, Bash, awk, sed; development of backup and recovering strategies. Two to five (2-5) years of experience with: MatLab, MySQL, Javascript, XML, DOM. Two to three (2-3) years of experience with: Python, KML, Dataturbine, Oracle, Development of low-level TCP/IP and UDP/IP socket programming. **ABIL/KNOW/SKILLS:** Knowledge of oceanographic instrumentation and data streams. Knowledge of writing drivers to insert oceanographic data into relational databases. Knowledge of writing MatLab code to plot oceanographic data from relational databases. Understanding of FGDC and EML standards. Familiarity with OPeNDAP. Must be able to communicate effectively both orally and in writing. Must be able to stay on schedule.

SECONDARY QUALIFICATIONS: Graphics and Design experience in web and print-based media including logo and website design and layout, document diagrams, charts; proficient in graphics software including Photoshop, Illustrator, etc.; generation of real-time web data graphics using MatLab.

INQUIRIES: Margaret McManus 956-8623 (Oahu).

APPLICATION REQUIREMENTS: The preferred method of applying for a job is through our on-line application process. Please go to www.rcuh.com, click on "Employment" and navigate to "Job Announcements/Apply for a Job." However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your

qualifications for position and salary history; names, phone numbers and addresses of three supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax (808) 956-5022 or mail to Director of Human Resources, Research Corporation of the University of Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. If you have questions on the application process and/or need assistance, please call (808)956-3100.
EEO/AA Employer.

Please apply before: 10/23/2009

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