

Job Listing: Student Research Assistant

Applications are requested for a **current-UNH student** to work as an hourly **research assistant** in a funded research project to develop an innovative water quality sensor network.

Requirements: The ideal candidate would be a science/engineering major with an interest in open source hardware/software, sensors and wireless networks. He/she possesses hands-on skills and an understanding of environmental sensing, digital and analog electronics (or the willingness to learn in short order). Preference will be given to an undergraduate with work study eligibility. Possession of a driver's license and reliable transportation a plus.

Job details: Assist in the design, development and testing of hardware/software for a water quality network. Integration of soil moisture, water level, and air/water temperature sensors to a microcontroller based datalogger. Work closely with an application programmer to develop server to sensor node connectivity. Install, test and troubleshoot wireless network function and use tools and scripting to quantify the quality and reliability of the installation.

Additional skills considered a plus: Hands-on experience with modern design tools, laboratory and field testing of sensors. Prototyping and troubleshooting skills.

Hours: 15-20 hours per week, with a competitive hourly rate. Work hours can be flexible to fit class schedule.

Funding availability starting June 1 (or earlier) through December 2017. Hours can be increased and position can be extended to May 2018 and beyond, subject to satisfactory performance, and availability of funds.

Travel: Light travel will be required, initially within Durham (< 3 miles), then to Nashua (with reimbursement for mileage).

To be considered for this position, please send your resume and with a short cover letter summarizing your background/(any)experience.

Deadline: May 15th 2017 (or until position is filled)

Contact: For any questions regarding this listing.

Gopal Mulukutla
Research Scientist
Water Systems Analysis Group
Earth Systems Research Center, EOS
gopal.mulukutla@unh.edu