Kelp Hatchery Internship

GreenWave is a non-profit organization that is reviving coastal communities with 3D Ocean Farming -- a new type of restorative ocean farming that uses zero inputs, has myriad ecological benefits such as carbon and nitrogen sequestration, and works to provide food justice and quality jobs in places that need it. Through our programming, new ocean farmers receive hands-on training and education, support with permitting, access to reliable low-cost seed--which we grow in our New Haven, CT kelp hatchery--and connections to purchasers. We also engage in research and development that furthers the sustainable seaweed farming industry, and support policy initiatives that make commercial 3D Ocean Farming possible.

Job Description

GreenWave seeks two reliable, skilled, self-directed and team-oriented undergraduate students in the greater New Haven area to fulfill our Kelp Hatchery Internship positions, including one Technician Intern and one Science Intern. Both interns will receive both technical and scientific training and will 1) help with daily facility operations in our kelp hatchery 2) work closely with the Hatchery Manager and Science Lead to execute ongoing hatchery maintenance tasks 3) assist in projects, improvements, and research initiatives in GreenWave’s hatchery facilities and 4) record daily tasks, water quality, and observational notes. The Technician Intern will report to the Hatchery Manager and will assist with hatchery system maintenance and troubleshooting. The Science Intern will report to the Science Lead and will contribute to hatchery data collection and experimental design. Both positions are hands-on, 150 hour internships (approximately 9 hours/week) from September through December based in New Haven, CT. Some evening and weekend hours required.

Position Responsibilities:

- Take detailed notes and document work in a daily log book and spreadsheets
- Monitor water quality parameters such as temperature, salinity, pH, light intensity, and nutrients
- Collect data to monitor and improve seed quality and hatchery efficiency
- Steward kelp cultures in collaboration with the Science Lead
- Participate in kelp spore release, seedings, and monitoring of seed growth
- Execute GreenWave hatchery protocols and procedures, including cleaning and fixing aquaria, sanitizing hatchery equipment, and preparing spools for seeding and outplanting
- Assist the Hatchery Manager and Science Lead with daily chores
- Contribute to weekly scientific article discussions
- Assist the Hatchery team in executing experimental design and research
Desired Skills and Qualifications:

- Aptitude for efficiency
- Work or educational experience in ocean farming or related fields is a plus
- Exceptional organizational and record keeping skills
- Collaborative and dependable
- Willingness to learn a new system inside and out with no-task-is-too-small attitude
- Attention to detail while not losing sight of the big picture
- Great problem solving skills, and ability to troubleshoot and rapidly respond to maintenance issues as they arise
- Knowledge of, or willingness to learn, light construction, PVC plumbing, and use of power tools
- Familiarity with compound microscopes
- Experience working in a hatchery or lab is a plus
- Ability to lift up to 50lbs
- Patient and able to follow strict protocols

This is an unpaid internship. Interns will receive mentorship and hands-on training as well as opportunities to engage in cutting edge research. Interns who successfully complete the 150-hour position may be eligible for academic credit through their home institutions, and will receive a review and supervisory support at the conclusion of the program.

GreenWave is an equal opportunity workplace. We celebrate diversity and are committed to creating an inclusive environment for all employees and interns. To apply, email your resume and cover letter to internships@greenwave.org and indicate in the email subject line which internship position you are applying for (i.e. “Hatchery Science Internship” or “Hatchery Technician Internship”) by February 14, 2020.