



# ENTRY-LEVEL HATCHERY TECHNICIAN INTERN



## ABOUT THE COMPANY:

Holdfast Aquaculture, Inc. is a hatchery and seed company for the growing sustainable aquaculture industry. Promoting a healthy planet and healthy people are core values in our mission to support sustainable food systems. We use innovative land-based Recirculating Aquaculture Systems to maximize control and densities while reducing inputs and waste, and specialize in low-trophic species such as seaweeds and bivalves (arguably the most sustainable sources of protein on the planet). We work on both commercial and R&D projects to close the gap between research and best industry practices, and are the first hatchery in Southern California to introduce locally sourced and native species for aquaculture production. We also work with a number of partners to promote market growth, workforce training, education, social license and equitable access.

## DESCRIPTION:

We are seeking a motivated and enthusiastic Entry-Level Hatchery Technician Intern to join our team for the summer. This internship provides a hands-on opportunity to learn about shellfish aquaculture and contribute to sustainable seafood production. Ideal candidates are passionate about marine life and excited to work in a hatchery environment.

As an intern, you will:

- Gain hands-on experience in shellfish aquaculture operations
- Perform basic husbandry tasks to support the health and growth of shellfish
- Clean and maintain hatchery tanks, systems, and equipment
- Assist in monitoring water quality and observing shellfish health
- Help ensure all hatchery workspaces are clean, safe, and organized
- Support hatchery staff with additional tasks as needed
- Participate in a physically active work environment, including lifting up to 45 pounds

The candidate must be available at least one day during the weekends.

## DESIRED EXPERIENCE:

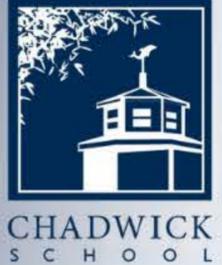
- Strong interest in aquaculture, marine biology, environmental science, or a related field
- Previous experience in a hatchery or marine setting is a plus, but not required
- Ability to work up to 20–40 hours per week, including at least one weekend day
- Comfortable working in a wet and physically active environment
- Capable of lifting and carrying up to 45 pounds
- Detail-oriented with the ability to follow instructions and protocols accurately
- Able to work independently and as part of a team

## SCHEDULE:

- Must be available at least one day during the weekend (either Saturday or Sunday)
- This location is **not** at AltaSea.
  - Work will be done **in person at 2206 Signal Pl., San Pedro, CA 90731**



# OCEAN INSTITUTE & COMMUNITY LEARNING LAB



## ABOUT THE ORGANIZATION:

Chadwick Institute: A groundbreaking program igniting a lifelong passion for ocean exploration, research, discovery, and stewardship for K-12 students.

## DESCRIPTION:

The Chadwick Ocean Institute at AltaSea is seeking a motivated and creative summer intern to support the development of an Ocean STEAM Makerspace and Community Learning Lab. This internship is ideal for students or emerging professionals interested in ocean education, design, technology, and community engagement.

This position offers hands-on experience at the intersection of ocean literacy, technology, engineering, and creative design, while supporting programs that engage youth and communities in ocean learning.

The intern will work closely with the education team to help build & equip a 3D printing and digital fabrication lab, develop Ocean STEAM education curriculum, and contribute to the creation of innovative learning tools and educational products that connect ocean science, engineering, and design. Responsibilities include:

- Assisting in setting up and organizing Community Learning Lab and makerspace
- Support the installation and testing of 3D printers, digital design tools, and fabrication equipment
- Help develop systems for managing tools, materials, and maker projects
- Assist with documentation and instructional guides for lab equipment
- Help design and prototype ocean-themed educational models and tools using 3D design software
- Support the creation of printable files that can be used in Ocean STEAM activities
- Assist in aligning curriculum with educational standards and ocean literacy principles
- Contribute to the development of educational products, kits, and learning tools connected to ocean science and sustainability
- Support the design of activities for workshops, camps, and school programs
- Assist with documentation, photography, and content that showcases the learning lab and its activities
- Participate in brainstorming sessions to develop new educational initiatives and community programs

## DESIRED EXPERIENCE:

- Interest in ocean science, environmental education, or marine biology
- Experience or interest in makerspaces, fabrication labs, or hands-on learning environments
- Interest or experience with 3D printing or digital fabrication tool is desirable, but not required
  - Interest in 3D design software (Fusion 360, Tinkercad, Blender, etc.) is a plus!
- Strong creativity and problem-solving skills
- Interest in STEM/STEAM education and community engagement
- Ability to work independently and collaboratively

## SCHEDULE:

AltaSea Campus, Berth 60

- Flexible hybrid hours

# OUTREACH OCEAN CONSERVATION INTERN



## ABOUT THE ORGANIZATION:

The Los Angeles MPA Collaborative channels broad and diverse perspectives to build ocean resilience and promote the cultural, recreational, and ecological value of Los Angeles County's marine protected areas. To better serve LA's culturally and ethnically diverse communities with specialized information on marine protected areas, the LA Collaborative is working to develop a strategy for working with community-based groups on MPA outreach.

## DESCRIPTION:

Through the Youth Fishing Outreach program, the intern will gain outreach and education experience in working with youth (ages 6-15) and their accompanying adults. The intern will learn to fish, and provide support to youth and adults with equipment through training in marine protected areas, safe & sustainable seafood, and pedagogy for outreach and education.

The intern will:

- Have a chance to observe changing ocean conditions through the summer, while learning about ocean conservation and marine protected areas in CA
- Learn about sustainable fishing to pass on to others
- Perform data entry and data analysis for material distribution and program improvement

At the end of the program, the intern will be able to coordinate and manage youth fishing schedules and support community-based youth fishing programs in partnership with the LA MPA Collaborative, LA Rod and Reel Club, and Marina Del Rey Anglers.

## DESIRED EXPERIENCE:

- Must be adaptable and willing to work and collaborate with others; must have a desire to learn and share with others
- Communication and organizational skills are required
- Spanish-speaking is desirable

## WORKING CONDITIONS:

- Must be comfortable on a boat
- Closed-toe shoes are required; Layered clothing, hat, and sunscreen are advised
- Intern is required to work around live fish and fishing bait

## SCHEDULE:

- In-person; Varied schedule to support boat trips Monday - Thursday, 7:00 am - 3:30 pm
- This location is not at AltaSea. Primary Location: Marina del Rey Sportfishing



# PILOT OPERATIONS SUPPORT

*Ucla*  
**Equatic**

## DESCRIPTION:

Interns at the UCLA/Equatic pilot will have the unique opportunity to gain hands-on experience in cutting-edge electrochemical carbon dioxide removal technologies.

Interns will develop skills in: Operating and troubleshooting advanced electrochemical systems | Understanding and applying process optimization techniques in a real-world setting | Data collection, analysis, and interpretation to guide process improvements | Collaborative problem-solving in multidisciplinary team

### **Daily Responsibilities:**

Monitor & document performance of electrolyzer systems and related process equipment | Assist in routine maintenance and troubleshooting of mechanical & chemical systems | Conduct chemical and physical tests to support process optimization and scaling | Collaborate with engineers & scientists to refine process parameters for enhanced efficiency

### **End of Program Goals:**

Successfully support deployment and optimization of commercial-scale electrolyzer for testing and validation | Contribute to a project report detailing findings, process improvements, and recommendations for future scaling | Present a capstone project or intern-led improvement initiative demonstrating a deep understanding of the technology and its challenges

## DESIRED EXPERIENCE:

Current enrollment in an accredited university program in Mechanical Engineering, Process Engineering, Chemical Engineering, or Chemistry

- Basic familiarity with laboratory practices and safety protocols
- Proficient in MS Office Suite, especially Excel for data analysis
- Prior experience in a research lab or industrial setting is advantageous but not required.

## WORKING CONDITIONS:

- Must be comfortable working on a barge
- Must wear closed-toe shoes

## SCHEDULE:

- Flexibility with student's schedule between business hours, 7a-5p
  - Typically 10-20 hours per week



# UPCYCLING INTERN / CNC TECHNICIAN



## ABOUT THE COMPANY:

We are building something for the future at ECOSS! At the ECOSS (Educational Center of Sustainability in Surf) we will not only be upcycling surfboard production waste, but we will have the ability to take ocean-bound plastic and turn it into new and useful products and educate about it in the process.

## DESCRIPTION:

Internship will focus on assisting Ryan with repurposing “recyclable” products, with further work being dependent on experience. Intern will oversee plastic donations on Thursdays including communication and greetings. Responsibilities will include:

- Organizing plastic
- Organizing and cleaning the workstation
- Running machinery (plastic shredder)
  - May be required to work on CNC machine
- Emailing potential partners
- Possible moderation of social media page

## DESIRED EXPERIENCE:

- No prior experience necessary.
- Do not have to be a surfer.
- Preferred background:
  - Someone passionate about the environment and sustainable practices.

## WORKING CONDITIONS:

- Some heavy lifting will be required.
- If administrative or social media work assigned, there will be increased screen time.
- No set uniform, but wear clothes you don't mind getting dirty.

## SCHEDULE:

- Shifts are 3 days a week between 9:00 am - 5:00 pm Monday through Friday.
- Plastic Donation Time: Thursdays 10:00 am - 12:00 pm