

# Kyler Plouffe

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## Education:

### **University of California Santa Barbara**

Aquatic Biology Major | September 2017 – Present

- Dean's Honors

## Experience:

### **Culver Lab at the Marine Science Institute**

Rock Scallop Hatchery Research Intern | October 2018 – Present

Maintained *Crassidoma gigantea* research tanks

- Performed and developed gonad development assays using qualitative factors
- Performed algal cell counts using a hemocytometer
- Maintained microalgal cultures for invertebrate feeding
- Performed statistical data analysis of *C. gigantea* growth and development
- Created outreach infographic to present findings of project to the public

### **The REEF at the Marine Science Institute**

Tropical Aquarist | January 2019 – Present

- Maintained tropical display aquariums
- Managed and trained teams of volunteers in conducting husbandry activities such as water quality assessments, cleaning, and food preparation
- Performed maintenance on plumbing and equipment as necessary
- Developed educational content for K-12 curriculum

Lead Aquarist | June 2019 – December 2019

- Coordinated husbandry activities with lead staff team to ensure all maintenance was performed
- Created weekly maintenance schedule and entered water quality data into spreadsheets
- Trained volunteers and paid staff in temperate animal husbandry activities
- Acted as liaison with the Institutional Animal Care and Use Committee

Touch Tank Volunteer | March 2018 – December 2018

- Performed basic husbandry on temperate and tropical tanks
- Taught visitors about local Santa Barbara ocean ecology

## **Cheadle Center for Biodiversity and Ecological Restoration**

Lady Bug Research Volunteer | October 2017 – March 2018

- Captured and labelled Coccinellids in the field
- Conducted Coleoptera identification and pinning
- Entered compiled data into Excel spreadsheets

## **Arcade Creek Project**

Botany Manager | September 2016 – June 2017

- Taught proper identification of plant species, field protocol, and lab technique
- Managed when field teams went out and communicated with other study managers to plan interstudy outings
- Maintained herbarium collection

Botany Volunteer | September 2015 – June 2016

- Assessed ground cover of plants using transects
- Created herbarium plant samples
- Performed riparian invasive plant removal

## **Relevant Skills and Qualifications:**

- Driver's license holder
- Proficient with data entry and analysis in Excel and R
- Extensive experience identifying and classifying organisms using dichotomous keys
- Microsoft Office
- Open water SCUBA Certified 2019
- Languages: English and conversational Japanese
- Avid fisherman