

Isabel Chang

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EXPERIENCE

UC Santa Barbara, *Operations/Storeroom Student Assistant*

February 2023 - Present

- Input purchase orders, receive and deliver said orders
- Interact with departments, vendors, and campus clients
- Upkeep the warehouse by sweeping, dusting, removing trash, and organizing
- Independently organize request tickets for each trade in the past years and skillfully create graphs to help analyze trends

UC Santa Barbara, *Marine Parasite Kuris Lab Assistant*

May 2024 - December 2024

- Assisted with weekly dissection of octopus
- Independently conducted organ analysis to identify the *Aggregata* spp. infection
- Managed data entry and uploaded photos
- Conducted octopus husbandry, including feeding, tank maintenance, and monitoring health

UC Santa Barbara, *Plant Flammability D'Antonio Lab Assistant*

April 2023 - June 2023

- Documented and recorded essential plant traits, including weight and water potential
- Conducted experimental controlled burns by managing methane tanks and handling eucalyptus samples
- Recorded comprehensive videos of each burn for data analysis

UC Santa Barbara, *Vernal Pool Restoration D'Antonio Lab Assistant*

January 2023 - April 2023

- Independently conducted PCR on eDNA, skillfully utilizing pipetting techniques and operating the thermocycler in a sterile laboratory environment

RELEVANT COURSEWORK

- General Chemistry and Labs
- General Biology and Labs
- General Physics and Labs
- Calculus
- Environmental Economics
- Animal Physiology
- Ecosystem Restoration
- Biodiversity and Conservation Ecology
- Food, Agriculture, and the Environment
- GIS for Environmental Applications
- Low Carbon Society
- Built World and the Environment
- Animals in Human Society
- Agroecology
- Statistics for Environmental Science
- People and Wildlife

RESEARCH PROJECTS

- Co-developed Restoration Management Plan for East More Mesa in Santa Barbara
- Co-developed hypothetical Pest Incursion Plan for Rosy Wolf Snail invasion of New Zealand
- Project: Sustainable seafood in the UCSB dining halls
- Paper: "Assessing the Impact of Natural Selection of Eye Color Alleles via Light and Dark Treatments in *Drosophila melanogaster*"
- Paper: "Assessing the Impact of Predator-Proof Fencing on New Zealand Birds via Distance Sampling in Wellington Through *Prosthemadera novaeseelandiae*, *Turdus merula*, and

EDUCATION

UC Santa Barbara, *Bachelor of Science*

September 2021 - May 2025

- Environmental Studies major with a concentration in Ecology
- Completing an Honors Senior Thesis

Victoria University of Wellington, New Zealand *Semester Abroad*

July 2023 - November 2023

- Completed hands-on classes with an emphasis in environmental policy, conservation, and biodiversity

EXTRACURRICULARS

UCSB Chapter of the Surfrider Foundation *Chair, Ocean Friendly Restaurants Committee*

October 2022 - Present

- Communicate and collaborate with local restaurant owners and campus dining hall staff to develop a framework to make sustainable choices
- Recruit new Ocean Friendly Restaurants and manage existing ones
- Spearhead yearly projects to implement sustainable practices in local communities and UCSB campus
- Run meetings and delegate tasks to each committee member
- Interview and select new members for the OFR committee

UCSB Chapter of Camp Kesem *Development Coordinator*

May 2023- Present

- Fundraise to provide a cost-free summer camp for kids whose parents have been affected by cancer
- Attend weekly coordinator board meetings and meet with directors and program coordinators to stay on track for fundraising goals
- Engage with local community and potential donors to build strong relationships
- Spearhead and plan fundraising events throughout the year, including raising over \$45,000 on Giving Tuesday

Philesturnus rufusater

- Poster: "Studying Human Brain Development through *Caenorhabditis elegans* via RNAi Knockdown of Genes *mnp-1* and *lpr-5*"

RELEVANT EXPERIENCE

Waza Soccer Club *Youth Soccer Coach*

August 2020- October 2020

- Coached ages 3 through 16
- Directed and devised practice sessions to improve athletic abilities and teamwork
- Encouraged participation, diligence, and respect by modeling and participating in activities
- Improved performance of individual athletes by working with small groups and one-on-one

Cornell University Big Red Sports *Camp Counselor*

August 2021

- Created a safe setting for up to 40 children ranging from 7 to 14 years of age
- Clearly coordinated and communicated with parents to understand each child's specific needs and desires, including dietary restrictions for meals
- Created a fun, interactive, and socially dynamic environment and planned entertaining, stimulating, and educational activities

SPCA of Tompkins County *Volunteer*

June 2017- September 2020

- Provided comprehensive care for cats and kittens, including feeding, cleaning enclosures, and engaging in socialization of the animals

