

# Chelsea Kintz

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## Education

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**Ecology and Evolutionary Biology, Ph.D. Student** August 2022 - Present  
University of Connecticut

**Ecology and Evolutionary Biology, B.S.** September 2017 - June 2021  
University of California, Santa Cruz

- Summa cum laude
- Dean's Honors: Fall 2017 - Winter 2021
- College Scholars Program

## Research and Teaching Experience

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**Teaching Assistant** August 2022 - Present  
University of Connecticut

- Teach two lab sections a week for an introductory biology course.

**Course Assistant** January 2022 - June 2022  
University of California, Santa Cruz | Ecology and Evolutionary Biology Department

- Perform the same duties as a Teaching Assistant.
- Teach three weekly discussion sections that contain approximately 25 students per section for an introductory biology course about development and physiology.
- Assist professor with classroom instruction, recording attendance, and grading assignments and exams.
- Meet with students during office hours.

**Student Researcher** September 2018 - Present  
University of California, Santa Cruz | Mehta Lab | Santa Cruz, CA

- June 2021 - Present: Researching with a team of other students on the feeding behavior and kinematics of Silver Arowana (*Osteoglossum bicirrhosum*) during aquatic and aerial feeding events by filming with a high-speed video camera and analyzing kinematic variables with Tracker software.
- December 2019 - June 2021: Conducted research on heron feeding behavior through analyzing online videos using ImageJ, funded through the Koret Foundation. Presented findings at the Koret Slam in June 2021.

- January 2019 - December 2019: Completed an independent project documenting the anatomy of the Swamp Eel (*Monopterus albus*) with funding through the UCSC Norris Center. Drew three illustrations depicting the internal anatomy and skeletal system. Blog post communicating findings published on the Norris Center website.
- July 2019: Completed one month of fieldwork at USC Wrigley Institute on Catalina Island, CA. Trapped eels and collected morphological and dietary data on the local population of California morays (*Gymnothorax mordax*). Tagged eels with PIT tag to monitor the population and estimate relative abundance of eels.
  - Presented data in the form of a poster at the Physical and Biological Summer Undergraduate Research Symposium on August 16, 2019.
- September 2018 - March 2019: Research Assistant to Ph.D. Candidate Katherine Dale. Sorted larval fish and invertebrates using a dissecting microscope to identify and understand larval fish distribution collected around Catalina Island.
- September 2018 - March 2019: Member of a research team of five undergraduate students on a project led by Dr. Mehta focused on how fishes that have converged on an eel-like body plan move on land. Videotaped and tracked several individuals of elongate fish species on different substrates and at different angles. Processed video using iMovie and Tracker software.

### **Laboratory Technician**

June 2021 - September 2021

University of California, Santa Cruz | Mehta Lab | Santa Cruz, CA

- Followed IACUC animal care protocol by recording tank temperatures daily and monitoring animal health. Cleaned tanks, checked water quality, and fed animals on a weekly schedule.
- Oversaw management of Mehta lab including, care of the dermestid beetle colony and assisting with undergraduate research projects (dissections, osteological and fluid-preserved specimen preparation, use of equipment like high-speed video cameras, digitizing data, and assisting with Comparative Vertebrate Anatomy lab dissections).

### **Intern**

April 2018 - June 2021

University of California, Santa Cruz | Predatory Bird Research Group | Santa Cruz, CA

- March 2021 - June 2021 - Assisted with a project monitoring the impact of raptor recruitment on rodent burrows along the Pajaro River Valley by surveying for rodent burrows, monitoring owl boxes, and analyzing raptor pellets.
- March 2020 - June 2020 - Monitored a wintering peregrine falcon 6 hours a week with a group of other interns.
- Observed raptors on UCSC campus and reported results to supervisor and Santa Cruz County Breeding Bird Atlas.

- Assisted in collecting vocalization data on breeding Great Horned Owls pairs using Song Meter SM4 Bioacoustic Recorder.
- Participated in outreach events through communicating our research and fundraising.
- Designed and created Hawk Calls podcast logo.

## Volunteer and Internship Experience

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### Peer Mentor

March 2021 - June 2021

University of California, Santa Cruz | Ecology and Evolutionary Biology Department

- Mentored two undergraduate students in the Ecology and Evolutionary Biology Department by meeting bi-weekly.
- Provided advice and answered questions about the major, internships, research, and career plans.

### Treasurer

September 2020 - June 2021

University of California, Santa Cruz | Sea Slugs Club | Santa Cruz, CA

- Ran the Sea Slugs club along with three other students.
- Held bi-weekly meetings where we discussed topics of ocean conservation, marine science research, and student life.
- Organized monthly beach clean-ups through our partnership with the Surfrider Foundation.
- Maintained an active online presence by sending emails, updating our website, and regularly posting on Instagram.
- Designed club logo for use online and on club merchandise.
- Club member since 2017.

### Member of Scientific Slug

September 2020 - June 2021

University of California, Santa Cruz | Scientific Slug | Santa Cruz, CA

- Assisted with creating Scientific Slug's Spring 2021 issue, a magazine that communicates science through journalism and art. Illustrated the cover of the magazine and art to go along with articles.
- Assisted with the creation of a podcast episode of Sci Slug Soundwaves by interviewing, editing, and creating art for the episode.

### Earth Week Intern

January 2020 - June 2020

University of California, Santa Cruz | Rachel Carson College | Santa Cruz, CA

- Created themed programs throughout Earth Week and then adapted those programs to be held virtually due to the COVID-19 pandemic to educate and create a community around sustainability on campus.

- Collaborate with campus environmental partners, faculty, and staff.
- Gained valuable professional skills: organization and time management, developing budget proposals, marketing, and design techniques, facilitating meetings, communicating with campus units and off-campus guests, and working as part of a team.
- Designed logo for use on marketing materials.

**Survey Slug**

January 2019 - March 2019

University of California, Santa Cruz | Long Marine Lab Stranding Program | Santa Cruz, CA

- Surveyed beaches and collected data on stranded marine mammals carcasses; data included species identification, length, and level of decomposition.
- Collected data on the types and amount of marine debris found on beaches.

**Exhibit Guide**

October 2014 - June 2018, September 2018 - December 2018

Seymour Marine Discovery Center | Santa Cruz, CA

- Assisted the public at the touch tanks and in the visitor halls, discussing messages of ocean research and conservation with all age groups.
- Volunteered at special events: lectures, presentations, and weddings.

**Formal Presentations**

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**Koret Slam**

June 2021

- Poster: Prey Handling Behaviors in Great Blue Herons and Gray Herons (2021), Chelsea Kintz, Dr. Rita Mehta.

**Physical and Biological Summer Undergraduate Research Symposium**

August 2019

- Poster: Geographic Variation in the Diet of the California Moray Eel (2019), Chelsea Kintz, Wave Moretto, Dr. Rita Mehta.

**Awards**

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**NSF Graduate Research Fellowship**

2022

National Science Foundation

**Koret Scholar**

2021

Koret Foundation

- Funding for an undergraduate research project. \$500 per quarter for a total of \$1,500.

## **Norris Center Student Award**

2019

Kenneth S. Norris Center for Natural History

- Funding for an undergraduate student project for up to \$1,000.

## **Skills and Certifications**

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### **SCUBA Diving**

- NAUI Rescue SCUBA Diver - February 2020
- NAUI SCUBA Diving Training Assistant - February 2020
- NAUI Advanced SCUBA Diver - November 2019
- PADI Open Water SCUBA Diver - August 2018

### **Scientific Illustration**

Education:

- California State University, Monterey Bay, July 2021
  - Scientific Illustration Course: Digital Painting
- University of California, Santa Cruz: March 2018 - June 2018
  - Natural History Illustration
- Sierra Nature Prints Studios, Santa Cruz, CA: September 2014 - June 2021
  - Scientific Illustration Classes

Exhibitions:

- Art of Nature, Santa Cruz Museum of Natural History, 2019, 2020, 2021
- Santa Cruz County Fair, 2016, 2018, 2019
- Reserves of Inspiration Show, Eloise Pickard Smith Gallery, 2018

Portfolio:

- Available at [chelseakintz.com](http://chelseakintz.com).