

BROOKLYN STONE

Aspiring herpetologist with ecological research and lab experience • bstone@ucsb.edu

EDUCATION

University of California, Santa Barbara (UCSB) <i>Bachelor of Science.</i> Major in Zoology with Distinction, Minor in Professional Writing: Science Communications.	Santa Barbara, CA June 2025
The Amphibian Foundation <i>Master Herpetologist Certificate.</i>	Remote August 2023
Antelope Valley College <i>Associate of Science.</i> Biology for Transfer. <i>Associate of Arts.</i> Liberal Arts and Sciences: Math and Sciences.	Lancaster, CA May 2023
Quartz Hill High School <i>High School Diploma.</i>	Lancaster, CA December 2021

AWARDS

Distinction in Major - For outstanding research as an undergraduate. University of California, Santa Barbara
Presidential Scholarship - University of California, Santa Barbara
Valedictorian Award - Graduated from Quartz Hill High School with over a 4.0 cumulative GPA
Principal List Awards - Antelope Valley College and Quartz Hill High School

PROFESSIONAL EXPERIENCE

<i>Vertebrate Museum Curator Assistant</i> , Cheadle Center for Biodiversity and Ecological Restoration, UCSB 2025-Current	May
- Salvaged a donated collection of reptile and amphibian specimens - Accession specimens into a database, georeference specimens based on the collector's fieldnotes, and refresh preservation - Reorganized the herpetological collection, prioritizing taxonomy - Assisted teaching UCSB's Collection Curation class (EEMB96)	
<i>Zoo Camp Educator</i> , Santa Barbara Zoo	March 2025-August 2025
- Supervises groups of up to 15 children (within the 3-13 age range) while delivering camp curriculum in an engaging, age-appropriate manner - Leads environmental and animal science activities while ensuring the safety and well-being of the group	
<i>Lab Technician Assistant</i> , Intro Biology Lab, University of California, Santa Barbara	December 2023-Current
Set up and break down teaching labs, breed and maintain fruit fly colonies, make fruit fly food, clean glassware, prepare media, use an autoclave to sterilize media and glassware, take inventory of lab stock, and keep the lab clean and organized	
<i>Note-taker</i> , Disabled Students Program, University of California, Santa Barbara 2025	August 2023-June
- Provides notes for students who need accommodations for the following classes: - EEMB112: Invertebrate Zoology, EEMB131: Principles of Evolution, EEMB146: Biometry, EEMB116: Invertebrate Zoology: Higher Invertebrates, EEMB157A: Cell Physiology, EEMB129: Introductory Genetics, EEMB180: Evolutionary Theory	
<i>Field Researcher</i> , Coastal Fund Grant, University of California, Santa Barbara 2023	December
- Chosen as one of two students to conduct fieldwork funded by UCSB's Coastal Fund for a week on Santa Cruz Island to study the population dynamics of the endemic slender salamander, <i>Batrachoseps pacificus</i> - Collected salamanders temporarily from the field to image them, swabbed salamanders to be tested for <i>Chytrid</i> fungal disease, studied previous literature to predict where to find this species and search in areas that have never been sampled, collected environmental and geographical data for each individual found	
<i>Lab Technician Assistant</i> , Biology Lab, Antelope Valley College	August 2021-August 2023

- Set up and break down teaching labs, managed animal husbandry of twelve animals and related projects, prepared media, buffers, and reagents, inoculated bacteria, trained new employees, assisted professors, cleaned glassware, kept the lab clean and organized

Research Assistant, National Science Foundation Paid Internship, Antelope Valley College

May 2022-August 2022

- Received NSF grant to perform a local bee study that researched native bee biodiversity on college campuses to improve urban habitats in support of native pollinators
- Operated in a team of 4 students, executed fieldwork, collected and analyzed data, identified specimens of 25 species, and proposed the findings to conferences

LEADERSHIP EXPERIENCE

Science Communication Social Media Intern, University of California, Santa Barbara
2025

March 2025-June

- Managed the Instagram account @IfIMeetNature, developing educational and engaging content on California native wildlife
- Wrote weekly newsletters expanding on the topics of each Instagram post
- Reflected on analytics to improve content strategy

Committee Chairman, Antelope Valley College STEM Club: Undergraduate Research
2023

August 2022-May

- Managed a committee of the largest club on campus, focused on research and collaboration
- Led research groups, recruited members and advisors (increased membership by 70%), and organized meetings, fundraisers, projects, community service, and field trips

Science Olympiad Supervisor/Judge, Volunteer February 2023

- Supervised middle school students in the Bio-Process Lab event and graded the exams

PUBLICATIONS

Megan Bennett, Audrey Enriquez, Mel Iniguez, Emilia Martinez Rios, **Brooklyn Stone**, Zia Nisani (Under Review). Effect of Temperature on Defensive and Predatory Stinging Behavior of the Scorpion *Hadrurus obscurus* (Scorpiones: Carabonionidae). *Euscorpius*

ABSTRACTS AND PRESENTATIONS

Undergraduate Research and Creative Activities Poster Colloquium (2025): Poster presentation

Stone, B., Wang, Y., Evelyn, C. - Polymorphism as a Precursor to Speciation in a California Endemic Salamander

Amphibian Task Force Conference (2025): Poster presentation

Stone, B., Wang, Y., Evelyn, C. - Polymorphism as a Precursor to Speciation in a California Endemic Salamander

Southern California Conference for Undergraduate Research (2024): Poster presentation

Enriquez, A.; Bennett, M.; Iniguez, M.; Rios, E.M.; **Stone, B.** - The Effect of Temperature on Defensive and Predatory Stinging Behavior of the Scorpion *Hadrurus obscurus*

Southern California Conference for Undergraduate Research (2024): Poster presentation

Ferrassoli, D., Sandoval, D., Sipin, C., **Stone, B.** - Habitat & Sounds: Investigating the Effects of Habitat and Predator Sounds on Vigilance in the American Coot, *Fulica americana*

Southern California Academy of Sciences (2023): Poster presentation

Stone, B. - Altered Flight Initiation Distance in Urban Colonizer, Western Side-Blotched Lizards (*Uta stansburiana elegans*) &

Gardner, D., Hamdan, A., Larrick, B., **Stone B.**, Tran, S., Nisani, Z., and Carrillo, A. - The Effects of Temperature on Lactate Dehydrogenase Activity and Fatigue Time in *Paruroctonus marksi* (Scorpiones: Vaejovidae)

The West Coast Biological Sciences Undergraduate Research Conference (2023): Poster presentation

Stone, B. - Altered Flight Initiation Distance in Urban Colonizer, Western Side-Blotched Lizards (*Uta stansburiana elegans*)
&

Gardner, D., Hamdan, A., Larrick, B., **Stone B.**, Tran, S., Nisani, Z., and Carrillo, A. - The Effects of Temperature on Lactate Dehydrogenase Activity and Fatigue Time in *Paruroctonus marksi* (Scorpiones: Vaejovidae)

SKILLS

• Research design • Data collection • Data analysis with R Studio and JMP • Mathematical modeling with Mathematica • Ecological field work • Grant proposal writing • Written and spoken communication • Presenting •