

## QUALIFICATIONS SUMMARY

Goal-driven, creative, and hardworking young professional with a master's in marine biology and experience in environmental and biological research, education, and multi-level stakeholder cooperation. Experienced at working in Indigenous community outreach and coordination. Passionate about the interplay between scientific data and a community-based approach to solving complex environmental issues. Strong written and verbal communication abilities coupled with a broad range of work and educational experiences.

## PROFESSIONAL EXPERIENCE

### MARINE AND ENVIRONMENTAL SCIENCES

- Thesis focused on interplay between marine environment and crab claw biomechanics in the Taylor Lab at Scripps Institution of Oceanography
- Worked in the marine biology/biomimicry-focused Deheyn Lab at SIO for a year while preparing to defend MS
- Helped teach six environmental science-related courses while in graduate school
- Spent two years as a research assistant at the oldest marine laboratory in the USA (Marine Biological Laboratory) after interning for a year

### INDIGENOUS ISSUES AND COMMUNITY INVOLVEMENT

- Member of tribal organization Apache Stronghold, a grassroots association dedicated to building a better community through neighborhood programs and civic engagement on the San Carlos Apache Reservation while also protecting sacred sites, including Oak Flat
- Two-time paid presenter on behalf of Apache Stronghold at Kawerak Regional Rural Providers' Conference (Nome, AK, USA)
- Wrote college thesis on combined environmental and spiritual importance on Apache sacred site Oak Flat (Superior, AZ, USA)
- As Co-Chair of Colorado College's Native American Student Union, initiated creation of first living community designated for Indigenous students and spearheaded the creation of an Indigenous Studies minor
- Student Liaison to the Colorado College administration to discuss cultural practices and diversity on campus

## EMPLOYMENT HISTORY

### UNIVERSITY OF CALIFORNIA, SAN DIEGO, SAN DIEGO, CA

**JULY 2023-JULY 2024***Graduate Student Researcher, Deheyn Lab at Scripps Institution of Oceanography*

- Examined papillae extension and the role of visual cues in Stumpy Cuttlefish (*Sepia bandensis*) camouflage
- Provided animal care and husbandry/aquarium system experience

### UNIVERSITY OF CALIFORNIA, SAN DIEGO, SAN DIEGO, CA

**SEPT. 2021-JUNE 2023***Teaching Assistant – Environmental Systems and Urban Planning Depts; Scripps Institution of Oceanography*

- Taught multiple courses on environmental challenges and sustainable development
- Duties included grading, leading weekly sections, class presentations, office hours, and one-on-one student meetings

### MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MA

**APR. 2019-APR. 2021***Research Assistant I – Echeverri and Rosenthal Labs*

- Research Assistant in the Echeverri and Rosenthal Labs
- Looked at development and regeneration in the Starlet Sea Anemone, *Nematostella vectensis*, in response to environmental pollutants

### MARINE BIOLOGICAL LABORATORY, WOODS HOLE, MA

**APR. 2018-APR. 2019***Intern – Cephalopod Initiative*

- Cephalopod care technician focused on animal care duties, system maintenance, and behavioral observation for a variety of cephalopods, including several species of octopus, squid, and cuttlefish

**COFFEE OBSESSION, WOODS HOLE, MA**  
*Barista*

**SEPT. 2017-DEC. 2022**

**APACHE MESSENGER, SAN CARLOS APACHE RESERVATION, AZ**  
*Journalist and Photographer*

**MAY 2016-JULY 2019**

- Seasonal reporter specializing in environmental issues for the San Carlos Apache Reservation's primary newspaper

## **EDUCATION**

**UNIVERSITY OF CALIFORNIA, SAN DIEGO, SAN DIEGO, CA, USA**

Master of Science (MS) in Marine Biology from Scripps Institution of Oceanography, Class of 2023 – Thesis research on crustacean biomechanics

**COLORADO COLLEGE, COLORADO SPRINGS, CO, USA**

Bachelor of Arts (BA) degree in Environmental Science, with a minor in Indigenous Studies – Thesis research on the combined environmental and spiritual importance of Indigenous sacred sites

## **HONORS AND AWARDS**

**FREDERICK ROBERTS AWARD FOR OUTSTANDING STUDENT LEADERSHIP**  
COLORADO COLLEGE NATIVE AMERICAN STUDENT UNION CO-CHAIR

**MAY 2016**

**DEAN'S LIST**  
COLORADO COLLEGE

**SEPT 2016-MAY 2017**

## **INTERESTS AND SKILLS**

Diving and Snorkeling (PADI Certified), Running, Leatherworking, Travel, Reading. Harm Reduction and Wilderness Medicine (Wilderness First Responder and STOP THE BLEED Certified). Speaker of both English and Spanish.

## **AFFILIATIONS**

**Member**, Apache Stronghold – *San Carlos Apache Reservation, AZ*

**2015- Present**

**Harm Reductionist and Medic**, San Diego Harm Reduction Coalition – *San Diego, CA*

**2021-2023**

## **PUBLICATIONS**

S. Klein, V. Frazier, T. Readdean, **E. Lucas**. “Common environmental pollutants negatively affect development and regeneration in the sea anemone *Nematostella vectensis* holobiont” *Frontiers* (2021).

## REFERENCES

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