

# Erika Egg

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## Education

*University of California, Santa Barbara (UCSB)*

Expected Graduation: June 2022

Bachelor of Arts, Environmental Studies,

Bachelor of Arts, Linguistics (Emphasis in Speech and Language Technologies),

Bachelor of Arts, History of Art and Architecture (Emphasis in Architecture and Environment)

GPA: 3.98

## Internship and Leadership Experience

*FAMST 54: Hollywood Industry, Film and Media Studies Department, UCSB, Goleta, CA*

Undergraduate Teaching Assistant

September 2021-Present

- ❖ Assisting Professor Cheri Steinkellner with grading assignments, answering student questions, and tasks during class lectures

*Your Children's Trees, UCSB, Goleta, CA*

Board Member (Treasurer)

September 2021-Present

- ❖ Managing spreadsheets of intern stipend allocations, applying for grants, performing requisitions for funding, and completing various administrative tasks to maintain registered student organization status, as well as discussing and voting on major board decisions with other board members

*Marine Science Institute (MSI) Analytical Lab, UCSB, Goleta, CA*

Student Lab Assistant

April 2021-Present

- ❖ Prepping researchers' samples for CHN (carbon-hydrogen-nitrogen) and mass spectrometry analysis (including checking in sample arrivals, acidifying samples, weighing samples) and assisting with lab upkeep

*National Center for Ecological Analysis and Synthesis (NCEAS) Arctic Data Center (ADC),*

*UCSB, Santa Barbara, CA*

Data Management Intern

June 2020-Present

- ❖ Utilizing a keen attention to detail to organize, manage, and archive data from environmental research projects using RStudio
- ❖ Communicating professionally with researchers via email to create an accurate representation of said data
- ❖ Collaborating with teammates to troubleshoot each others' code and review each others' datasets
- ❖ Analyzing the training guides for potential edits in protocol
- ❖ Occasionally helping to fix bugs within the ADC's functions in R

*Regents Scholars Association, UCSB, Goleta, CA*

Board Member

May 2020-Present

- ❖ Planning events for other Regents Scholars, incorporating diverse fields of research as well as transitioning events effectively to a well-attended online format during COVID-19
- ❖ Fostering a welcoming, supportive environment in the club and acting as a resource for advice and information for members

*Your Children's Trees, UCSB, Goleta, CA*

Tree Care Intern

April 2021-September 2021

- ❖ Performing maintenance on trees at urban locations in the SB and Goleta area in a large team

*MacDonald Lab, UCSB, Goleta, CA*

Undergraduate Research Assistant

March 2021-August 2021

- ❖ Uncovering intersections between the effects of COVID-19 and environmental factors through data analysis and synthesis with Google Earth Engine and R

*A Visual Narrative of Food Insecurity in Santa Barbara County: an interactive geographic data visualization created during ENV S 195: Environmental Leadership Incubator, UCSB, Goleta, CA*

Co-Creator

September 2020-June 2021

- ❖ Collaborating to research and construct a map demonstrating correlations between poverty levels and other factors to aid the Santa Barbara Food Bank in determining viable new food distribution locations, and learning new software (Tableau) and troubleshooting along the way, concluding in a presentation on our findings

*A Drop in the Sand: a 10-minute long animated short film created during FAMST 106: Crew Production, UCSB, Goleta, CA*

Producer and Colorist

September 2020-March 2021

- ❖ Co-leading a team of 30+ individuals to help manage production flow, our LLC, budgeting, fundraising (raising over \$6000) and perk fulfillment, and social media presence for the film, as well as assisting with coloring numerous frames for the film in Toon Boom Harmony

*LING 20 and LING 117, UCSB, Goleta, CA*

Undergraduate Assistant

September 2020-December 2020

- ❖ Assisting Professor Kennedy with restructuring his quizzes and other assignments in LING 20 and LING 117 for clarity as he transitioned his courses to better fit the atmosphere of online learning

*D'Antonio Lab, UCSB, Goleta, CA*

Undergraduate Research Assistant

September 2019-June 2020

- ❖ Working in the field and lab on a project investigating chaparral restoration into a degraded chaparral stand, assisting in the set-up of the experimental plots, transplanting seedlings, monitoring seedlings for survival and growth, and collecting environmental metrics of landscape-scale and localized-scale plot characteristics, and entering this data into Google Sheets
- ❖ Learning to analyze data using R

*Santa Barbara Coastal - Long Term Ecological Research (SBC-LTER) Kelp Farm, UCSB, Goleta, CA*

Undergraduate Research Assistant

October 2019-April 2020

- ❖ Assisting the Advanced Research Projects Agency-Energy (ARPA-E) Kelp Farm research project in its investigations on phenotypic, breeding, and farming giant kelp as part of a giant kelp genome association study by processing kelp samples through:
  - ❖ annotating kelp images to assist in training deep learning analysis software
  - ❖ grinding and drying kelp; entering data
  - ❖ performing miscellaneous lab and field tasks pertaining to kelp farm such as chemical analysis preparation

*Cheadle Center Biodiversity and Ecological Restoration (CCBER), UCSB, Goleta, CA*

NCOS Restoration Student Worker

April 2019-September 2019

- ❖ Weeding non-native plants from the North Campus Open Space restoration site and planting native plants, learning to identify various natives and non-natives by name and appearance, and learning about restoration techniques

### Special Skills

*Computer:* Proficient knowledge of basic functions in R/R Studio, Python/Jupyter Notebooks, Google Earth Engine, Tableau, Toon Boom Harmony, Microsoft Excel, Microsoft Word, Google Docs, and Google Sheets, and able to troubleshoot

*Communication:* Proficient email and telephone communication skills

*Language:* Limited working proficiency in Spanish; memorized proficiency in Basque

*Leadership:* Able to lead and collaborate within diverse teams to achieve our desired outcomes

### Honors and Awards

UCSB Regents Scholarship and Honors Program

Kirby-Jones Scholarship at UCSB

Duval Scholarship at UCSB

Corwin Award for Best Student Film at UCSB

Member of Phi Beta Kappa