

# SAVANNAH LONGORIA

2533 Hillegass Ave, Berkeley, California 94704 | 559.679.7558 | savannah.longoria@berkeley.edu | savannahmayalongoria.com

## EDUCATION

**University of California Berkeley | College of Letters and Science | GPA 3.67 | Spring 2019**

**Bachelor of Arts, Geography** (Earth System Science and Remote Sensing)

**Minor, Electrical Engineering and Computer Science**

## EXPERIENCE

**Daily Californian | Berkeley, California**

*Online Developer*

August 2015- Present

- ❖ Designed special pages for the website and for mobile development of the Daily Californian
- ❖ Researched and designed a variety of news projects
- ❖ Developed backend logic in C# to extract calculation dependencies from customer databases
- ❖ Created a web prototype for graph visualization tools using ASP.NET Core MVC

**Engineers for Exploration | San Diego, California**

*U.C. San Diego Research Intern*

June 2018- August 2018

- ❖ Collected data from UAV's and constructed an orthomosaic map
- ❖ Trained and tested the collected data into multiple convolutional neural network algorithms
- ❖ Tested different algorithms on satellite imagery of different Mangroves
- ❖ Analyzed this data to determine the threat to mangroves due to urban development, aquaculture, and agriculture

**National Parks Conservation Association | Washington, D.C.**

*Geospatial Informational Systems Intern*

June 2017- August 2017

- ❖ Generated utility map books, designed tables, and created domains, subtypes, relationship classes and feature datasets
- ❖ Developed a customized interactive ESRI story map of all National Parks in the United States for NPCA Centennial
- ❖ Completed GIS maps on schedule by analyzing data and the use of ArcMap 10.1

**Doris Duke Conservation Scholars Program | Flagstaff, Arizona**

*Northern Arizona University Conservation Scholar*

August 2016- Jan 2018

- ❖ Worked on conservation issues with Native American tribes concerning Bears Ears National Monument
- ❖ Collaborated in teams on conservation research projects in the Grand Canyon region
- ❖ Collected data and constructed a geospatial model

## LEADERSHIP

**Delta Sigma Sorority | Berkeley, California**

*Assistant of Public Relations*

August 2016 - December 2017

- ❖ Aided in the chapter's transformation from a nationally affiliated sorority into a local autonomous chapter by creating a social media plan for the chapter's rebranding, which included photo and video shoots, content editing, and online engagement.
- ❖ Coded the organization website using HTML5, CSS, and Javascript

**Computer Science Kickstart | Berkeley, California**

*Summer Mentor*

August 2015 - August 2018

- ❖ Organized 70+ computer science students and professionals
- ❖ Planned and executed a one week summer introductory class to computer science where students learned how to program
- ❖ Fundraised over \$30,000 dollars from various technological companies and donors

**Web Design Decal | Berkeley, California**

*Teaching Assistant*

August 2018 – December 2018

- ❖ Lectured on design principles to 100+ students in Berkeley's most popular Web Design course.
- ❖ Maintained and updated the course portal implemented in Django
- ❖ Co-redesigned the course programming curriculum based on feedback from previous semesters.

## SKILLS

**Programming:** Python, Java, HTML5/CSS, Clojure, JavaScript, C++, C# (basic)

**Statistics:** Stata, Mata, R, GRASS (basic), Matlab (basic)

**Other:** Tensorflow, Docker, ArcGIS Pro, QGIS, LATEX, ENVI, Earth Engine, D3.js, Django, API design, Google App Engine

**Software:** Social Media (Instagram, Tumblr, Facebook, Twitter, Hootsuite, LinkedIn, BlogSpot), Graphics (Canva, Adobe Photoshop, Adobe Illustrator), Video Editing (Adobe Premiere Pro, Adobe Animation), Web Management (Wordpress, Adobespark, Wix)

**Language:** Spanish, English (fluent)