

# Meghan Fletcher

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## EDUCATION

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**Bren School of Environmental Science & Management** – University of California, Santa Barbara

Master of Environmental Science & Management (Expected June 2022)

Specialization: Coastal Marine Resource Management

Foci: Strategic Environmental Communication and Media & Data Analysis

Highlighted Courses: Strategic Environmental Communication, Coastal Marine Policy & Management, Advanced Environmental Data Analysis, Advanced GIS, Environmental Writing, Environmental Negotiation

**University of California, San Diego** (June 2018)

Bachelor of Science in Ecology, Behavior, and Evolution, Minor in Marine Science

NCAA Track & Field: Scholar-Athlete 2015-2018; Lead Captain 2018

## MASTER'S GROUP PROJECT

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**Estimating Habitat Connectivity to Guide Wildlife Conservation and Management Planning at the Jack and Laura Dangermond Preserve**, Point Conception, CA (3/21-present)

**Role:** *Communication Manager* | **Client:** *The Nature Conservancy (TNC)*

- Developing a strategic analysis of regional habitat connectivity around the Dangermond Preserve to build a management strategy for TNC that highlights this critical habitat and its various predatory species
- Utilizing analytical processes including R/Rstudio, ArcGIS, Omniscape to create map products and review and synthesize camera trap images to assist TNC with predator preservation
- Summarizing communications and analyses to present findings to TNC and a diverse audience regarding the connectivity estimates and potential corridor designs influencing wildlife connectivity in and around the Preserve – including the production of a short film that will be used within the Preserve's curriculum

## ENVIRONMENTAL OUTREACH & RESEARCH EXPERIENCE

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**National Center of Ecological Analysis & Synthesis – Fisheries Analyst**, Santa Barbara, CA (9/21 – present)

- Analyzing multiscale case studies involving management strategies for climate resilient fisheries using R/RStudio to perform data and text analyses to review narratives across case studies and generate useful resources for the Science for Nature and People Partnership (SNAPP) Climate Resilient Fisheries team
- Researching outside climate resilient fisheries case studies to determine how best to interpret, analyze and compare the case studies from this SNAPP working group in ways that can be applied to and accepted by diverse communities in a just and equitable manner and to assist in the development of the SNAPP CRF tool

**The Nature Conservancy – Hawaii Fisheries Management Intern**, Santa Barbara, CA (6/21-8/21)

- Created a research-based, culturally inclusive 30-page guidance document for bottom-up, community-based coral reef fisheries management specific to Hawai'i by analyzing the technical and social ramifications of each management option in addition to communicating with fisheries experts and using TNC's FishPath tool
- Completed a literature review to reveal the significant differences and similarities between traditional Hawaiian and Western fisheries management practices to assist in implementing management strategies that reflect the conservation and management goals of both Hawaiians and the Division of Aquatic Resources – including sustainability for subsistence fishing and tourism while meeting the goals of the 30x30 Initiative
- Generated multiple aesthetic and informative infographics to convey critical fisheries-related information and processes to be used in technical reports and online R Shiny Applications using Canva and Office Suites

**Scripps Institute of Oceanography - Research Assistant (Voluntary)**, La Jolla, CA (5/19-1/20)

- Utilized advanced data analysis and spatial data programs like R Studio, Adobe Suites and Viscor to develop and create reproducible analyses for researchers to reference for future studies
- Evaluated and mapped reef plots using Adobe Photoshop to categorize numerous coral species for the 100 Island Challenge to aid scientists in understanding human impacts on these diverse benthic communities
- Assisted Sandin Lab staff with various research activities and attended staff meetings to discuss current and future research plans and evaluate new research techniques

## **Meghan Fletcher**

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#### **San Diego Zoo Global - Education Program Aide, San Diego, CA (6/17- 9/17 & 6/18-8/18)**

- Collaborated to develop daily lessons and activities and co-instructed ten weeks of SDZG's curriculum to 40 students each week, incorporating the zoo's animals and conservation plans to give participants a meaningful and impactful experience
- Implemented a group-based, scalable model for transformative educational experiences using creative activities and exotic animal presentations for youth from diverse backgrounds
- Cultivated a safe and interactive environment for all participants by reviewing class and zoo rules and dispersing educators appropriately amongst participants to allow for a comfortable and enriching learning environment to better engage everyone

#### **STAKEHOLDER ENGAGEMENT AND COMMUNICATIONS EXPERIENCE**

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##### **UC San Diego Alumni and Career Services, La Jolla, CA (10/19-9/20)**

###### **Industry Engagement Coordinator – (2/20-9/20)**

- Orchestrated Career Center events (career fairs, employer recruiting events & more) including UCSD's first virtual career fairs by researching and coordinating with other institutions to produce quality events with high participation rates of ~800 students
- Coordinated Career Center procedures and protocols within the central operations team by developing new strategies to best assist the overall Career Center team and allow for staff to fluidly transition to remote work
- Engaged and interacted with 100+ professional employers ensuring a high level of customer service in email, phone, and personal communication to maintain good relationships for future events
- Advised and connected with 5-10 students and alumni weekly through one-on-one virtual career coaching offered via email, phone and Zoom to meet increased COVID-19 demands

###### **Event Specialist – (10/19-2/20)**

- Executed and supported large engagement events at UC San Diego by effectively analyzing and managing event logistics using various web-based platforms & all facets of Microsoft Office to create meaningful events for events spanning 25 to 1,000+ alumni
- Streamlined business systems by learning and implementing new technologies like Guidebook and other events software to create high functioning events of 800+ people with efficient teams of 20+ people

##### **UC San Diego Athletics, La Jolla, CA (9/18-6/19)**

###### **Director of Operations – (9/18-6/19)**

- Managed large program events, 2019 CCAA Track & Field Championships and various other invitationals, for anywhere from 300-1,000 athletes as well as over 50 officials and volunteers by coordinating all event logistics prior to and throughout each meet allowing for successful events for coaches, athletes and officials
- Organized and maintained all track and field records and facilities by tracking team and recruit profiles for 100 athletes and repairing fencing, equipment and technical wiring for use during meets and team events
- Coached young collegiate athletes in the sprints/hurdles specialties to assist in developing their techniques and improving the overall performances on the track

#### **ADDITIONAL WORK AND VOLUNTEER EXPERIENCE**

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**Teaching Assistant – Env. Ethics, Env. Justice, Intro to Biology Lab, UC Santa Barbara, CA (09/20-present)**

**Alumni Engagement Assistant - UC San Diego Alumni Association, La Jolla, CA (10/17-9/18)**

**Marketing Intern – UC San Diego Athletics, La Jolla, CA (9/18-6/19)**

#### **SKILLS, TRAININGS & CERTIFICATIONS**

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**Computer & Spatial Mapping:** R/Rstudio, GitHub, QGIS, Microsoft Office (Word, Excel, PowerPoint), Canva, Viscor, Adobe Photoshop, Zoom, Google Suites, Outlook, Guidebook

**Languages:** Spanish (basic)

**Certifications:** NAUI Open Water Diver, CPR/AED, USATF Level 1 Coaching Certification

**Leadership Training:** Emerging Leaders Workshop – UCSD, La Jolla, CA (1/17-3/17)

**NCAA Track & Field:** Participated in NCAA National Championships (2018), All-Conference (2015, 2016 and 2018), Division I Campaign leader (2015), and team captain (2016-17 and 2017-18), lead team captain (2018)