Quinlan Smith

(760) 703-9693 | quinlan_smith@yahoo.com | Santa Barbara, CA

EDUCATION

Master of Environmental Science and Management, (Expected June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
  Specialization: Coastal Marine Resources Management | Focus: Eco-Entrepreneurship

Associate in Science, Advanced Geographic Information Systems, 3.873 GPA (May 2020)
Palomar College, San Marcos, CA
  Honors/Awards: Certificate of Achievement in Advance Geographic Information Systems

Bachelor of Arts in Film and Electronic Arts, 3.926 GPA (June 2013)
California State University, Long Beach
  Honors/Awards: Magna Cum Laude

WORK EXPERIENCE

Wetlands Field and Lab Assistant (9/19–4/20)
San Onofre Nuclear Generating Station Mitigation Monitoring Program (UCSB), Carlsbad, CA
- Produced fish count using seining and enclosure trap procedures, collected marine invertebrate counts using quadrat and mud-core sampling methods
- Used microscope and species identification keys to identify collected invertebrate specimens
- Employed GNSS RTK technology to obtain positional and elevation data for water and air quality loggers
- Utilized River Surveyor acoustic Doppler technology to measure discharge and bathymetric profiles of lagoon main channel, assessing connectivity to the ocean
- Classified high resolution, multi-spectral drone imagery to measure vegetative coverage of lagoon with ArcGIS Pro
- Produced visual reports of quantified class coverage for SONGS MMP Scientific Advisory Panel for analysis of project standards, developed new protocols and file organization schemes for drone imagery

Field and Lab Assistant (3/18–8/19)
Pollinator Research (UC Cooperative Extensions, Agriculture and Natural Resources), San Diego, CA
- Produced data for instances of pollinator visitation on flowering plants in controlled research plots
- Gathered pollen samples from lab-grown, pesticide-treated plants to determine expression of chemical compounds which could be harmful to bees and other pollinators
- Utilized dichotomous keys to identify and catalog collected specimens for curation
- Entered data to Excel and provided logistical and manual support for planting/coordinating research plots

Production Artist (3/15–3/16)
Percival & Associates, Los Angeles, CA
- Created concept presentations for clients such as Starz, HBO, Warner Bros, and Focus Features using Adobe InDesign, Photoshop, and Illustrator
- Organized, managed, and cataloged all artwork and stock photography within company server
- Facilitated communication and delivery of materials between clients, artists, and company

INTERNSHIP EXPERIENCE

GIS Intern – Palomar College Arboretum, San Marcos, CA (3/18–5/18)
- Geotagged individual plants within Palomar College's Arboretum using Collector for ArcGIS and recorded plant health, taxonomy, reproductive conditions, and attached photos
- Prepared and uploaded data to ArcGIS Online Map of the arboretum's collection for eventual public release

Quinlan Smith – Page 2

VOLUNTEER EXPERIENCE

Aquarium Volunteer – NOAA Southwest Fisheries Science Center, La Jolla, CA (2/18–2/19)
- Prepared and supplied food to captive white abalone specimens
- Cleaned and maintained salt-water tanks
- Provided counts and measurements of juvenile abalone specimens spawned within the lab

Fishery Survey Volunteer – California Department of Fish and Wildlife, San Diego, CA (10/17–11/17)
- Provided a count to estimate bluegill and large-mouth bass populations in Lake Murray, San Diego, CA
- Used electrofishing and netting methods to capture, record, and release fish safely

Lagoon Platoon Steward – San Elijo Lagoon Conservancy (The Nature Collective), Cardiff, CA (6/17–1/18)
- Removed invasive species of plants such as European sea-rocket, Maltese star thistle, and mustard from California native restoration sites in the lagoon
- Collected blue-eyed grass, monkey flower, and other California native seeds for planting
- Germinated plants from seed and took part in large scale plantings of California natives at restoration sites

PRESENTATIONS

Smith, Q. (2019). *Visualizing Flood Inundation Due to Sea Level Rise in the San Elijo Lagoon Using GIS*. Presented at the 26th National Advanced Technological Education (ATE) Principal Investigators' Conference, Washington, D.C.

SKILLS, AFFILIATIONS, & CERTIFICATIONS

Computer:
- esri ArcGIS Pro (ver 2.6) and ArcMap (ver 10.7)
- Proficient in Python and Javascript programming languages with some SQL experience
- MS Office Suite (Word, Powerpoint, Excel)
- Adobe Suite (Photoshop, Illustrator, InDesign Premiere, Acrobat Pro)
- Agisoft Metashape (PhotoScan) and related photogrammetric imagery processing software.

Certifications:
- FAA Part 107 licensed drone pilot (2019)
- Regional Occupational Program (ROP) certification in Graphic Design and Digital Videography

Affiliations
- San Diego Mycological Society Member