

## RESEARCH SCIENTIST

### Summary

Conservation biologist with more than 6 years of experience in research, restoration, conservation planning and outreach. Knowledgeable about zoological gardens and animal sanctuaries. Exceptional communicator who works well on diverse teams. [A](#)

### Highlights

- Expert in data analysis
- Microsoft Office Suite expert
- Specialized software (Matlab, Sigmaplot, FishStatJ, Aquatracker)
- Molecular genetics
- Experimental design
- Grant writing expertise
- Fluent in Spanish and Catalan
- Elementary proficiency in Japanese
- Event planning
- Detail-oriented

### Experience

Research Scientist 08/2012 to 09/2015 Jacobs Engineering Group Inc. Houston , TX

- As a member of the IOCS scientific staff I collaborated in several projects in conservation of natural resources and biodiversity, such as: Shinnecock Bay Restoration Program (SHIRP).
- The goal of this project is to permanently restore the water quality and fisheries of the Shinnecock Bay.
- The duties included, but were not limited to scientific surveys of the Bay, clam/eelgrass restoration efforts, scientific project and budget design, educational outreach, fundraising, marketing and coordination of volunteer staff.
- United Nations Development Programme (UNDP).
- Creation of review reports and executive summaries on the fisheries status of Tuna and Shark species in the Pacific Ocean.
- Prepared recommendations on regulations, requirements and needed improvements of Shark Sanctuaries in the Pacific Ocean.
- Those tasks required intensive scientific literature reviews, ability to summarize important information and excellent writing skills.
- Seafood Watch (Monterey Bay Aquarium)- Exceptional Species.
- Member of the scientific team in charge of developing a new ecological concept for marine species conservation and regulation.
- Required extensive literature reviews as well as creative writing in the creation of professional scientific reports.
- United Nations - "OneOcean: Achieving Sustainability Through Sanctuaries".
- Event co-sponsored by the IOCS.
- Required expertise in Ocean Sanctuaries and international etiquette.
- Served as a liaison responsible for scientific support to attending Ambassadors, Consuls and political leaders of various countries.

Graduate Research Assistant 09/2010 to 08/2012 University Of Utah Provo , UT

- The duties performed as a member of the scientific team of the CARIACO Project (Carbon Retention In A Colored Ocean) were: To inventory and set up equipment, supplies and chemical reagents needed to participate in the bi-annual scientific cruises to the Cariaco Basin, Venezuela - Spoken Spanish was required.
- Became proficient in the performance and troubleshooting of molecular analyses (PCR, qPCR, FISH and cloning) of Ammonium related microbial species Performed extensive data analyses of time series with specialized software (Matlab, Sigmaplot) Trained, supervised and evaluated the performance of undergraduate Laboratory Technicians and volunteers.

Instructor 01/2010 to 06/2010 Music And Arts Lafox , IL

- Undergraduate studies instructor: BIO205-Fundamentals of Scientific Inquiry in the Biological Sciences II.
- Oversaw a class of 24 students.
- The position required: Excellent verbal and written skills Keeping students motivated and focused on their work Promote the development of laboratory skills and critical thinking Produced objective student evaluations and tools to improve student performance.

Research Assistant 09/2007 to 08/2009 Us Government Other Agencies And Independent Organizations Freeport , NY

- Volunteer research assistant for the "Superior Council of Scientific Investigations - Institute of Marine Science"\*within the Spanish government.
- Member of the team involved in the project "AFORO", which required; Laboratory skills for fish dissection and otolith processing Digital image analysis Windows office expertise Data base update, management and proofing.

MaitreEvent Supervisor 09/2003 to 12/2008 Seaworld Parks Langhorne , PA

- High standing catering company.
- Promoted within two years from waitress to Maitre (Event Supervisor).
- Requirements for the position were: Leadership and ability to organize and supervise a team Time management and budget control Training of new employees and periodic performance reports on new and senior employees Excellent etiquette and decorum (numerous events involved the Royal House and other special VIPs) Costumer care and fidelity Capability of rapid thinking and troubleshooting.

Director's Assistant - Department of Mammals 09/2001 to 09/2003 Barcelona Zoo City , STATE

- Internship as the assistant to the Director of Mammals.
- The duties and skills required for the position were: To perform behavioral studies on the Zoo's mammals assessing integration with other members of the exhibit, abnormal behavior and enrichment needs/results To participate in the animal exchange/breeding program with other Zoos and Aquariums, which consisted of selecting candidates to be exchanged as well as assessing the needs of new specimens into the mammal collection To oversee the proper status of the enclosures and animal care based on the Zoos standards To directly interact with the zookeeper and assess their performance To assist in the handling of mammals for veterinary and tagging procedures To manage and update the mammal database and consolidate information with the veterinary services on site.

Educator 06/1999 to 09/2001 Barcelona Zoo City , STATE

- Internship in the Zoo's Department of Education.
- The duties and skills required for this position were: To perform guided tours in the zoo for groups of kids and teenagers (Pre-K through High-school) To oversee specialized summer courses in diverse topics (e.g.
- marine mammals, reptiles, endangered species) which included handling of animals and controlled interaction of the students with animals To improve and create didactic materials for the courses To oversee and participate on Birthday Events in the Zoo To oversee and participate on summer camps in the Zoo.

#### Work History

#### Professional Courses and Certifications

Master of Science (MS) : Marine and Atmospheric Sciences 2012 Stony Brook University City , State , USA

Concentration in Ecology and Molecular genetics

Graduate Student Club Officer - Activities Coordinator

Licentiate degree : Biology 2009 Universitat de Barcelona - Facultat de Biologia City , Spain

Major in Zoology and Physiology

Active member of the Scuba Diving Club

PhD Candidate : Marine and Atmospheric Science 2015 Stony Brook University City , State , USA

Ecological interactions on estuarine communities

Otolith Microchemistry

Co-founder and organizer of the annual SoMAS Photocompetition (2012-2015)

Marine Conservation Activities: Co-Founder and Organizer of the Annual SoMAS Photo Competition (2012-2015) Certifications Marine

Mammal Training and Enrichment Barcelona Zoo (Spain) Open Water Scuba Diver

Radiative safety management : Basic Forensic Science Stony Brook University Basic Forensic Science

Universitat de Barcelona (U.B Barcelona University Spain

Languages

Spanish ( Native or bilingual proficiency ) English ( Full professional proficiency ) Catalan ( Native or bilingual proficiency ) Japanese ( Elementary proficiency ) Swahili ( Elementary proficiency )

Skills

Photo, budget, bi, concept, Council, creative writing, critical thinking, Data base, database, English, fundraising, Genetics, government, image, instructor, inventory, Japanese, Leadership, Director, marketing, materials, Matlab, exchange, Windows office, natural resources, Organizer, PCR, proofing, Research, Safety, Scientific, Spanish, Supervisor, surveys, Time management, troubleshooting, water quality, written skills, writing skills