

Krystalle S. Diaz

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Education:

University of Arizona, College of Agriculture and Life Sciences, Tucson, Arizona
Bachelor of Science in Environmental Sciences Fall 2015
Honors College

SKEMA Business School, Sophia-Antipolis, France

Study Abroad Spring 2014

- Interacted with multitude of different cultures despite myriad of language barriers
- Adapted effectively to quite different cultural approaches, styles, and norms when working in diverse groups
- Travelled throughout France and northern Italy

Research Experience:

Microbial Ecology Laboratory May 2013-current
Laboratory Assistant, Soil, Water, and Environmental Science, University of Arizona

Sphagnum Endophyte Project: Fall 2014

- Search for and quantify relative abundance of methanotrophs in microbial communities of *Sphagnum* moss dominated bog sites from thawed permafrost sites at Abisko, Sweden
- Use QIIME to perform searches for methanotrophic lineages in sequenced samples
- Search through extant literature for methanotrophs to search for in our lineages

Proteomics Project: June 2013-August 2014

Established and optimized use of proteomic identification algorithms for use on Arctic soil samples

- Performed DNA extractions from soil samples during Summer 2013 phase
- Utilized problem-solving and research skills for troubleshooting when analyzing data with various open-source bioinformatics softwares
- Initiated independent projects and propose innovative solutions to practical problems
- Worked both independently and as a team on research projects
- Wrote paper summarizing results of Fall 2013 research for Honors College internship

Work Experience:

Kay Jewelers Seasonal: 2011 & 2012

Sales Associate, Tucson Mall, Tucson, Arizona

- Engaged customers, discovered needs, and ensured satisfaction
- Set up merchandise displays, took proper daily inventory, and filed paperwork properly
- Organized and sorted paperwork and answered telephones
- Coped with myriad of customers during hectic holiday season

Skills:

- Bilingual in Spanish, functional in Japanese
- Microsoft Office Word, PowerPoint, and Excel
- Adobe Photoshop
- Technical writing: editing, researching, summarizing, and putting reports together

Awards and Memberships:

- National Hispanic Scholarship 2011-present
- Father Joseph Patterson Scholarship 2011-present
- Honors College Internship Fall 2013, Summer 2014
- Honors College Undergraduate Research Grant Summer 2014
- ASM* Undergraduate Capstone Institute May 2014
 - Received funding to attend annual conference and present poster

Activities:

- Science outreach:
 - Tucson Festival of Books, BIO5 booth March 2013
Taught children about basic DNA concepts and maintained smooth flow of presentation
 - "Spooktacular Science", University of Arizona October 2013
Actively engaged elementary school age children in hands-on activity
 - Biosphere 2 Fall Discovery Nights October 2014
Taught K-8 students about fossil fuel formation

* American Society for Microbiology