

## 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	

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\* American Society for Microbiology