**Maya Sederholm**

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**EDUCATION**

***The University of Arizona - Tucson, Arizona* (August 2010- August 2014)**

* Undergraduate **Environmental Science** major with **Ecology** focus (August 2011- Current)
  + Double Major- BFA in Dance (August 2010- May 2014)
  + Dean's List: Fall 2010 to Current
  + Maintained a high GPA while taking close to 25 units every semester
  + Summer grant recipient for Namibia (2013)
  + Summer scholarships (2011 and 2012) for dance programs
  + Arizona Excellence Award (Fall 2010- Spring 2014)
  + Jesse Jones Scholar and scholarship recipient (Fall 2010- Spring 2014)
* Completed Biosafety Protection Course through the U of A's Office of Radiation, Chemical, and Biological Safety (Spring 2014)

***The High School for the Performing and Visual Arts- Houston, Texas*  (August 2006- May 2010)**

* Public magnet school for the Arts, focus was Dance
* Graduated with Honors

**RESEARCH**

***Undergraduate Research Assistant in Microbial Ecology Lab***

**(August 2013- present)**

* Research Assistant in Microbial Ecology Lab at The University of Arizona
* Current research project: How do microbial communities in thawing permafrost mediate carbon cycling and feed back to climate change?
* Compared biogeochemical data with known microbial communities, What factors drive the microbial community compositions?
* Looked at Cyanobacteria and metabolic pathways of methanogens and methanotrophs

***Desert Ecology and Conservation Biology in Namibia, Africa* (May- June 2013)**

* Six week field course conducted by Dr. Tom Wilson and Dr. Hans-Werner Herrmann
* Traveled throughout Namibia studying African Ecology and Biology
* Conducted observational research on the animal behavior and interactions around the Moringa Waterhole in Etosha National Park
* Assisted on ecological study of a *Ficus sycomorus* and the surrounding soil at an ephemeral riverbed
* Captured *Pedioplanis husabensis* to collect DNA samples for sequencing and analysis, results used so mining companies could assess their negative effects on the lizards (and the environment)
* Researched information about cheetahs and led a discussion/debate about their conservation

**POSTERS, PRESENTATIONS, PUBLICATIONS**

***Poster Presentations at Conferences***

* Attended and presented poster at Arizona-Nevada Academy of Science held at Northern Arizona University, became ANAS member (April 2014)
* Presented poster at SWESx convention at The University of Arizona (April 2014)
* Submitted poster of microbial research at Undergraduate Biology Research Program (January 2014)

**OUTREACH/VOLUNTEER**

***Flandrau Science Center and Planetarium***

**(October 2013)**

* Volunteered at Spooktacular Science children's event, taught about importance of soil and how to texture it

***Tucson Festival of Books* (March 2013)**

* Worked in “Science City” tent teaching about geology
* Had a collection of minerals, rocks, and fossils and identified them to the public
* Public display of a "volcano" using baking soda and vinegar to demonstrate pressure from plate tectonics

***Compost Cats*  (Fall 2011)**

* Stood at eateries around campus and educated people on what they could compost
* Encouraged and helped students to sort their trash from compostable items and put them in the right bins to be taken to the Campus Agriculture Center

***Soil, Water, and Environmental Science Club*  (August 2011- Present)**

* Treasurer (Fall 2012- Spring 2013) and Member (Fall 2011- Current)
* Distinguished club at The University of Arizona that is a student-run organization actively working with department faculty to engage in current environmental science issues, cleanups, and field work
* Volunteered in projects to encourage protecting the environment and promoting sustainability
  + Worked to restore the Kumataka Mine in Ironwood National Forest, received recognition- Certificate of Appreciation from The Department of the Interior- Bureau of Land Management
  + Pulled buffelgrass in the greater Tucson area

**LEADERSHIP**

***Treasurer of Soil, Water, and Environmental Science Club* (August 2012- May 2013)**

* Collected fees and managed funds for trips and activities
* Designed, ordered, and picked up club t-shirts
* Set up booths on The University of Arizona mall to promote our club and raise environmental awareness
* Participated in the university's Earth Days (2011 and 2012)
* Kept the Student Underground Resource Center clean and organized

***Active Member of Dancers Consortium Club* (August 2010- Current)**

* Volunteer at the annual Arizona Jazz Dance Showcase, a large convention that takes place at The University of Arizona and brings in money for the dance program
* Labeled and organized folders, sold merchandise, supervised and participated in dance classes

**WORK EXPERIENCE**

***Undergraduate Student Researcher at The University of Arizona***

**(September 2013- present)**

* Worked 10-15 hours per week in Environmental Science/Microbial Ecology lab under Dr. Virginia Rich and colleagues

***Hostess and Busser at Tokyo Steak and Sushi*  (Summer 2011)**

* Seated people, took drink orders, cleaned and prepared tables, cleaned restaurant at close

***Secretary and Cashier at The Houston Metropolitan Dance Center* (Summers 2011 and 2012)**

* Managed front desk operations such as answering calls, registering people for classes, and filing away receipts, helped with summer intensive enrollments

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