

# Sophie De Respino

sderespino@utexas.edu

602-516-6764

## Education

### **The University of Texas at Austin, Austin, TX**

Master of Science, Environmental Engineering

August 2019 – Present

### **The University of Alabama, Tuscaloosa, AL**

Bachelor of Science, Environmental Engineering

August 2015 – May 2019

GPA: 4.0/4.0

## Research Experience

### **Kumar Research Group, The University of Texas at Austin**

August 2019 – Present

Graduate Research Assistant: Evaluating seed storage proteins for pathogen removal in sustainable sand filters.

### **Terry Research Lab, The University of Alabama**

August 2018 – May 2019

Research Assistant: Collected and analyzed samples from Lake Tuscaloosa for manganese and organic matter characterization.

### **Wetland Ecosystem Ecology Lab, Arizona State University**

July 2018

Field Work Volunteer: Measured biomass in the Tres Rios Wetland to determine effectiveness of the City of Phoenix's wastewater treatment. Input and analyzed data to send to the City of Phoenix.

## Outreach and Education Experience

### **Global Vision International, Silana Village, Fiji**

Summer 2018

Environmental Development Volunteer: Constructed recycling points, greenhouses, and kitchen gardens. Presented workshops on recycling to schools and villages.

Summer 2017

Education Volunteer: Assisted an elementary school with teaching English to young students through phonetics, reading, and writing.

## Honors and Activities

### **The University of Texas at Austin**

Cockrell School of Engineering Fellowship

### **The University of Alabama**

College of Engineering Mentor, 2017 – 2019

George J. Davis Most Outstanding Civil Engineering Senior, May 2019

Golden Key International Honor Society, 2016 – 2019

President, 2018 – 2019

Secretary, 2017 – 2018

Departmental Academic Honors, 2017

Presidential Scholarship, 2015 – 2019

College of Engineering Scholarship, 2015 – 2019