

Justine C. Williams

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711 W. Grand River Avenue

East Lansing, MI 48823

EDUCATION

Michigan State University College of Engineering East Lansing, MI

May 2017

B.S. Biosystems Engineering GPA: 3.47/4.0

EXPERIENCE

National Science Foundation Researcher San José, Costa Rica

May 2016-August 2016

- Designed an experiment to determine the fate of antibiotic resistant bacteria in a treatment wetland system
- Collaborated with a bi-lingual laboratory team to ensure consistent procedures

Undergraduate Research Assistant East Lansing, MI

April 2015-present

- Assisted in procedure design and execution of projects on the study of pathogens on low moisture foods
- Managed sets of data and gained skills in statistical analysis of data
- Compiled a set of methods to be used throughout all experiments within the lab

EPA People, Prosperity and the Planet Design Team Bri Bri, Talamanca, Costa Rica

September 2015-May 2016

Wetland Team leader

- Led a team to design and implement a treatment wetland system in an aboriginal community
- Collaborated with the community to create the best final project for all involved
- Gained project-based engineering skills while overcoming a language barrier

Biosystems Engineering Club East Lansing, MI

September 2013-present

President

May 2015-present

- Managed the executive board in making decisions necessary to increase club membership
- Established an organization system in order to keep clear records for future club use

Social Co-Chair

April 2014-May 2015

- Communicated between officers and members to develop membership building events

MSU Concrete Canoe Team East Lansing, MI

September 2013-present

- Completed stress tests on possible concretes to be used in design
- Ensured quality of canoe construction based on specific construction protocol

Culture and Sustainable Development Study Abroad Havana, Cuba

May 10-June 8 2014

- Observed sustainable development practices using scarce resources
- Gained intercultural communication skills through a multicultural learning environment
- Adapted to a new environment with constantly changing circumstances

Society of Women Engineers East Lansing, MI

September 2013-present

- Volunteered at outreach events
- Developed professionally by attending national and regional conferences

MSU Student Housing Cooperative House Finance Officer East Lansing, MI

August 2016-present

- Managed all financial accounts and expenditures in an organized system

Lifeguard, Lifetime Fitness Canton, MI

March 2013-August 2014

- Cooperated as a team to optimize pool safety
- Communicated between members and management to ensure safety
- Assessed and maintained pool water quality

HONORS/ AFFILIATIONS

Raymond Giffels Memorial Scholarship

July 2016

Jared Kavinsky Memorial Scholarship

July 2016

John and Julianna Merva Scholarship

April 2016

Society of Women Engineers National Member

December 2013-present

American Society of Agricultural and Biological Engineers Member

February 2016-present