

Renee C. Schwartz

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Education

Michigan State University, East Lansing, MI

- Bachelor of Science, Biosystems Engineering
- GPA 3.97/4.00
- Honors College

Expected May 2017

Work Experience

Kellogg Snacks Process Engineering Intern, Battle Creek, MI

May 2016 – August 2016

- Built the foundation of a new cooling model for crackers that was evaluated and accepted by experts
- Troubleshooted a cooling model that had inaccurate methods and technical errors
- Led documentation and communication, empowering engineering decisions on a seasoning mitigation project
- Developed a protocol for temperature data collection as an alternative method for a cooling model
- Created detailed and to-scale maps for 5 cracker lines that included data on both the line and the products

PepsiCo Research and Development Engineering Intern, Barrington, IL

May 2015 – August 2015

- Executed extensive research and development of new formulations of rice cakes for a product line extension
- Worked with various departments involved in research and development to execute 18 trials in the pilot plant
- Managed and assisted the pilot plant trials for 3 weeks while collecting data
- Submitted products through taste and breakage testing to identify potential products for further research
- Initiated and organized all logistics to have the Quaker interns visit the Cedar Rapids Milling Facility

Michigan State University Wastewater Treatment Team, Bribri, Costa Rica

January 2016

- Worked on a team to design a wetland to treat water for the Shuabb Community in Costa Rica
- Traveled to Costa Rica and aided in the physical building and problem solving of the wastewater system
- Expanded knowledge of anaerobic digestion with hands on involvement
- Gained experience working in a diverse setting with language and cultural barriers

Michigan State University Research Assistant, East Lansing, MI

September 2013 – Present

- Assisted the food safety research team in detecting growth rates of salmonella on low moisture foods
- Supported and led lab tests and discussions on research with peers, graduate students, and professors
- Demonstrated lab procedures necessary for the safety of all personnel in the lab

Senior Educator, Kalamazoo Nature Center Camp, Kalamazoo, MI

June 2013 – August 2014

- Facilitated team building activities and group lessons to creatively teach young children about nature
- Mentored 8 Junior Educators throughout each summer in leadership, teaching, and teambuilding
- Collaborated with coworkers to improve personal leadership skills and create group activities

Extracurricular

- Biosystems and Engineering Club Executive Board
 - Secretary 2015 – Present
 - Social Co-Chair 2014 – 2015
 - Fundraising Co-Chair 2014
- Society of Women Engineers National Member 2013 – Present
 - National Conference Attendant 2015
 - “Day with SWE” and “WOW! That’s Engineering” Volunteer 2013 – 2016

Honors

- Dean’s List: 6/6 Semester 2013 – 2016
- Scholarships: A.W. Farrall, George M. and Gloria R. Van Dusen, and Ray Giffels Memorial Engineering 2016
- Department Top Student: Recognized by Michigan State University College of Engineering 2014 – 2015