

Hannah Guyer

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Education

Michigan State University • East Lansing, MI

- Bachelor of Science, Biosystems Engineering Expected May 2017
- Honors College
- GPA 3.4/4.0

Experience

Student Assistant, Michigan Department of Natural Resources • Lansing, MI Aug. 2015 - Current

- Worked directly under the Senior Water Policy Advisor and DNR Head Engineer on key environmental issues such as Asian Carp, Aquaculture Net Pens, groundwater recharge zones, and wetland mitigation banking

Intern, University of Costa Rica • San Jose, Costa Rica June 2016 – August 2016

- Developed and carried out a self-led research project about a microorganism and its prevalence and role in bio-remediating disturbed soils
- Utilized ArcGIS mapping software to obtain and analyze data
- Followed and modified an innovative research protocol
- Collaborated with native Costa Ricans in a foreign language

Team Member, EPA P3 Grant Project, Michigan State University • East Lansing, MI Sept 2015- May 2016

- Worked in teams to design an anaerobic digestion system to create biogas from biological waste products as well as a wetland to treat effluent
- Designed and prototyped various ideas to meet given criteria
- Traveled to build and implement the design for a rural community in Costa Rica in Jan. 2016

Intern, Michigan Department of Environmental Quality • Lansing, MI June 2015 - Aug. 2015

- Produced valuable deliverables on various environmental related projects
- Lead diverse teams to ensure all goals were met on time and products were of high quality
- Managed and collaborated on multiple projects at a time
- Assisted Senior Engineers on environmental quality checks in multiple disciplines
- Acquired field experience with data logging equipment such as FlowTracker and Sonde

College of Engineering International Corporate Tour May 2014

- England, Germany, Switzerland, Luxembourg, Italy
- Studied and observed global business and production practices
- Visited BP, GM, Bosch, Eaton, Arcelor Mittal, ALCOA, and Diageo

Recreational Sports Supervisor, Michigan State University • East Lansing, MI Sept. 2013 – June 2015

- Worked at a facility that does more than 1 million dollars in sales a year
- Practiced communication and customer service skills to proactively solve problems
- Strived to maintain the facility so as to provide patrons with the best experience possible

Extracurricular

Kappa Delta Sorority Sept. 2014- Current

Biosystems Engineering Club Sept. 2013- Current

Women in Engineering Program Mentor Sept. 2015- May 2016

Skills

- Able to read, write, understand and have basic conversations in Spanish
- Proficient in Excel, Microsoft Word, PowerPoint, and Office
- Experience with MATLAB and ArcGIS