

Alexis Baxter

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Objective

To obtain a full-time position in Engineering, Research and Development, Product Development, Product Manufacturing, Sustainability, Bio Systems, Agriculture/Ecology, or other related discipline.

Education

- **Michigan State University (MSU)**, East Lansing, MI May 2016
 - Bachelor of Science Biosystems & Agricultural Engineering
 - Dean's List, GPA 3.28/4.00
- **MSU Study Abroad Ecological Engineering in the Tropics**, Costa Rica Dec 2014-Jan 2015
 - Evaluated the sustainability of water, energy, and food systems
 - Compared clean energy, water, and climate in Costa Rica to the United States
 - Designed and implemented a solid-liquid separation mechanism at Fabio Baudrit Biological Station at the University of Costa Rica
- **Grosse Ile High School**, Grosse Ile, MI Aug 2008-May 2012
 - Highest Honors, GPA 3.9/4.0

Experience

- **Laboratory Manager/Technician**, MSU Anaerobic Digestion Research and Education Center (ADREC), East Lansing, MI Feb 2015-present
 - Operate and maintain pilot scale anaerobic digesters
 - Lead laboratory team through organization of laboratory tasks and resources
 - Evaluate the utilization and management of organic waste at MSU as part of the Campus Organic Waste Committee
- **Course Assistant**, MSU Department of Biosystems Engineering, East Lansing, MI Jan-April 2016
 - Graded homework for microbial process engineering course
- **Undergraduate Research Assistant**, Engineering Summer Undergraduate Research Experience (EnSURE), MSU ADREC, East Lansing, MI May-July 2015
 - Researched processes of organic waste disposal for organic waste not utilized at MSU power plant
 - Developed documents of amount and disposal of organic waste at MSU
 - Presented findings at the Mid-Michigan Symposium for Undergraduate Research Experiences (Mid-SURE)
- **Nanny**, Grosse Ile, MI May-Aug 2014
 - Arranged daily schedule for two children under 7
 - Addressed and mediated any disagreements
 - Administered house rules and cleaning
- **General Kitchen Worker**, MSU Residential and Hospitality Services, East Lansing, MI Oct 2013-April 2014
 - Provided quality food service to costumers
 - Assisted in meal preparation, assembly, and cleanup
 - Operated food station

Honors/Awards

- Biosystems Engineering DeBoer Family Scholarship 2015

Activities

- Engineers for a Sustainable World (ESW) – Co-President Oct 2015-May 2016
- Volunteer – Hunter Park Greenhouse, Fenner Nature Center, Potter Park Zoo July 2015-April 2016
- Society of Women in Engineering Sept 2013-Sept 2014
- Michigan State Women's Rowing Team Aug 2012-May 2013

Skills

- Microsoft Word, Excel and PowerPoint Proficient
- Basic Land Surveying operation, MATLAB experience, ArcGIS experience