

Austin Ebeling

48068 Whitney Ct, Canton, MI 48187

Phone: 734-660-2491 Email: ebelinga@msu.edu

Objective

Obtain a full time position in a field related to Biosystems Engineering. Able to start working in January or February 2017. Preferred fields are food manufacturing and production, resource management, and renewable bioenergy systems.

Work Experience

- Glanbia Nutritionals, Twin Falls, ID Summer 2016
Process Engineering Intern
- Balanced multiple projects working with different engineering teams throughout the summer
 - Practical applications of food manufacturing concepts in a dairy production plant
 - Learned a root-cause analysis system of problem solving
- Residential and Hospitality Services, East Lansing, MI Summer 2015 – Spring 2016
Facilities Employee
- Worked in teams to complete summer renovation projects in a timely manner
 - Performed daily tasks in residence halls to maintain housekeeping
 - Customer service heavily emphasized in all student employee roles
- Irrigation Concepts, Farmington Hills, MI Summer 2014
Irrigation Systems Analyst
- Tested, installed, and started up residential and commercial systems
 - Identified failures in the systems, made repairs accordingly

Education

Michigan State University, East Lansing, MI
Bachelor of Science, Biosystems Engineering, Current GPA: 3.09 Expected December 2016

Relevant Coursework and Experience

- BE 481 – Water Resources Systems Analysis Current
- Geographical information system application in hydrology and ecosystems engineering
 - Learning ArcGIS software for watershed modeling and engineering design
- BE 478 – Food Engineering: Solids Spring 2016
- Analysis and design of complete systems for handling, processing, and manufacturing solid foods
 - Material variability and microbial, chemical, and physical hazards
- BE 469 – Sustainable Bioenergy Systems Spring 2016
- Biorefinery analysis, system sustainability, and system design
 - Completed a life cycle assessment comparing a traditional fossil fuel system to a bioenergy system
- ME 280 – Graphic Communications Spring 2016
- Learned NX design software and created computer models of real world objects
- BE 485/487 – Senior Design classes Fall 2015/Spring 2016
- Worked with an industry leader to improve effectiveness and sustainability in a food production process
 - Heat transfer, food safety, communications, problem solving, and experimental design
 - Potential gained profit in the millions of dollars if system can be implemented large scale
- BE 477 – Food Engineering: Fluids Fall 2015
- Process engineering, equipment, and industrial practices of the food industry
 - Thermal process, pipeline design, heat exchange, dehydration, sanitation