

Objective

Motivated, hardworking, and personable Biosystems and Agricultural Engineering student seeking a full time position that would utilize my technical and problem-solving skills, to enhance innovation and improve productivity.

Education

Michigan State University, East Lansing, MI Expected May 2017
Bachelor of Science, Biosystems Engineering Major, Agribusiness Management Minor 3.3/4.0

Experience

Production Engineering Intern, ADM -Marshall, MN Summer 2016

- Worked on several capital projects, utilizing time and project management. Responsible for writing project proposals, work orders, SOP and MOC forms,
- Designed a pump assembly to allowing increased product throughput in a bottleneck area of the process.
- Added drip legs and steam traps to increase efficiency on steam lines for process equipment reducing downtime and maintenance costs.

Production Engineering Intern, ADM -Des Moines, IA Summer 2015

- Implemented a new Flaking Aspiration ductwork system to prevent dust and debris from the soybeans to escape the processing equipment, preventing build-up and additional cleaning.
- Designed OSHA regulated Primary Aspiration Catwalk in processing plant, and was responsible for ordering the materials, leading the fabrication, and assisting in the installation.
- Analyzed the project scope of replacing a belt conveyer over a grain bin by determining the needed size of the conveyer, motor and drive, as well as calculated the costs of the conveyer, materials, crane, and labor.
- Responsible for troubleshooting process equipment and machinery to prevent downtime and increase efficiency.

Ag Services Operations Intern, ADM- Auroraville, WI Summer 2014

- Maintained and repaired various operating and construction equipment to prevent lost time and breakages.
- Successfully managed and oversaw 5 hourly employees and delegated assignments as needed.
- Complied to all regulatory policies, practices, and standards pertaining to OSHA, EPA, DNR, and DOT .
- Created electrical conservation and management procedure to decrease operating costs and ensure resource sustainability.

Owner Operator, Ziegler Farms - Ceresco, MI June 2011 – Present

- Coordinate and prioritize temporary labor activities to achieve daily production quotas and quality work.
- Schedule planting, cultivation and harvesting of field crops to meet deadlines and effectively manage time.
- Responsible for the operation of three irrigation systems to ensure ideal moisture levels in the soil and maintain optimum plant health.
- Manage a 50+ head of Angus beef cattle operation by monitoring animal health, water and feed levels, and improving fencing which led to an increased average rate of gain.

Honors and Activities

- Executive Committee in Kappa Sigma Fraternity - East Lansing, MI April 2013 - Present
 - Vice President- Manage house operations, facilitate meetings and maintain accountability in scholarship, leadership, fellowship and service.
 - Assistant Philanthropy Chair- Created a new annual fundraising event for Military Heroes Campaign.
 - Worked independently and in collaborative situations to achieve financial and outreach objectives.
- Biosystems Club- Representative for College of Agriculture & Natural Resources Spring 2014 - 2015
 - Treasurer – Responsible for managing the club's finances and budget. Spring 2015 – 2016
- Scholarships: DeBoer Family Scholarship, George & Betty Merva Scholarship, Campbell Soup Academic

Computer Skills

Microsoft Office: Word, Excel, and PowerPoint, Access, Outlook, MatLab, LabView, AutoCAD, Revit Architecture