Jennifer Sanford

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Seeking a role in web development to challenge my abilities and expand my knowledge.

Experience:

Ardent Mills Ogden, UT

Operations Development Associate   June 2016 - November 2017
- Managed production on rotating shifts, troubleshooted mechanical, quality and program issues as they arose
- Led the safety team to increase plant safety scores by 5% in 2017 and improve participation in the behavioral-based safety program by 20%
- Exhibited food safety champion behaviors by tracking sanitation work orders and planning how to complete overdue items
- Assisted with the 2017 BRC audit through mock traces and plant audit readiness, the team achieved a AA rating
- Managed and developed sanitation workers in the mill
- Led pest reduction efforts through contractor management and rolling out new cleaning processes
- Rolled out 5S methodology (facility organization) and mentality throughout the plant
- Worked with cross-functional teams to achieve smaller 5S projects while working towards the goal of a fully organized and maintained facility

Didion Milling and Ethanol

Research and Development Engineering Co-op   January 2015 - August 2015
- Researched and provided feasibility studies on potential new product lines such as roasted corn, sprouted corn, and confectioners corn flakes
- Used RVA testing to determine change in functionality vs roasting time of roasted corn flour
- Cooperated with a cross-functional team to achieve a new system installation for the ethanol plant, which saves the company thousands per year in energy costs
- Developed and applied project management skills on my research projects
- Presented multiple projects and further recommendations to senior leadership team

Biological Systems Engineering Laboratory and Shop

Hazelnut Processing Research Assistant   May 2014 - December 2014
- Designed, fabricated and tested a hazelnut cracking machine
- Learned and applied shop skills while fabricating machine including welding, plasma cutting, using a lathe
- Studied the effects of different spindle shapes on the machine efficiency using a slow motion camera and gave recommendations for further testing
- Applied research to a year-long research project for the AGCO competition

Biological Systems Engineering - UW Center for Agricultural Safety and Health

Farm Safety Student Assistant   June 2012-May 2014
- Managed content on the wordpress website
- Made educational posters, used google forms to create surveys, and helped facilitate an educational booth at Farm Technology Days
- Worked on safety and farm fatality studies and AgrAbility projects

Education:
University of Wisconsin - Madison
B.S. in Biological Systems Engineering - Food Engineering Emphasis
Selected Coursework: Engineering Design Practicum, Statistics, Statics, Heat Transfer, Thermodynamics, Unit Operations, Food Manufacturing, Food Chemistry, Food Preservation, Confectionary Science, Organic Chemistry, Chemistry and Chemistry Lab

The Web Development Bootcamp - Udemy.com
- Introduction to HTML, CSS, and Javascript
- Used Node, Bootstrap and MongoDB on multiple web applications
- Used Git and Heroku to make a final website for the course. Website allows user to register and sign in, make new posts and edit them later, and comment on posts. Used Bootstrap, EJS, and MongoDB to build application.
  https://agile-citadel-11480.herokuapp.com/

Modern React with Redux - Udemy.com
- Introduction to React and Redux
- Created a search app using Youtube API and a basic blog website with routing
- Learned about components, containers, middleware, and the react/redux cycle structure

Become a Wordpress Developer - Udemy.com
- Learned about creating a new wordpress template using PHP
- Learned how to create custom post types, custom fields, and user functionality

Skills:
Proficient: Microsoft Office Suite
Knowledgeable: HTML, CSS, React, Javascript, Bootstrap, jQuery, MongoDB

Hobbies:
Yoga, Photography, Hiking, Skiing, Rock Climbing, Baking, Dancing, Dog Walking