

EDUCATION

The Ohio State University

August 2015-May 2020

Bachelor of Science in Biological, Food and Agriculture Engineering from the College of Engineering

- Specialization in Biological Systems Engineering discipline
  - Minor in Biomedical Engineering

ACADEMIC PROJECTS

Doehler Continuous-Line Coffee/Tea Blending

August 2019-May 2020

Senior Capstone Project

- Doehler, a food and beverage supplier to companies like Coke and Starbucks, needed a design for a continuous feedback system to improve their coffee and tea blending processes operational efficiency and testing accuracy
- Utilized MATLAB and various measuring sensors to calculate coffee/tea flow and weight:weight ratio and fashion a design that continuously takes measurements and feeds back to a larger system
- Worked in a team of five to document our findings and develop a proposal of our design that culminated into a presentation to meet the requirements of both The Ohio State Universities Capstone project and the requirements put forth by Doehler

MidOhio Foodbank Design Project

August 2018-December 2018

- Created a proposal and corresponding presentation poster to construct a design that could keep food cold in the summer during MidOhio Foodbank food drives
- Applied fundamentals of Thermodynamics and engineering design process in a team setting to determine the best theoretical design and craft a presentation to concisely explain the design

SKILLS & ABILITIES

- Coursework:** basic and advanced topics in Calculus, Physics, Chemistry, Biology, programming, CAD design Fluid Mechanics, Statics, Thermodynamics, and applied differential equations to real world systems
- Laboratory Experience:** five years' worth of academic lab experience both in a dry lab and wet lab setting including biology, chemistry, electrical systems, food processing, and computer simulation modeling
- Operating Systems:** Macintosh, Windows
- Programming:** proficient in MATLAB and AutoCAD
- Software Applications:** advanced knowledge of Word, PowerPoint, Excel

EXPERIENCE

Wedgewood Golf and Country Club

Powell, OH

Busser/ Server/ Bartender

July

2017- Present

- Organized and implemented the production of training, food prep, closing/opening duties necessary to ensure the restaurant runs efficiently
- Developed communication skills to interact with members and other customers to improve customers dining experience
- Simultaneous able to prioritize and juggle multiple responsibilities effectively and efficiently
- Maintained high standards of quality control, hygiene, health, and safety

FEDEX

Grove City, OH

Package loader

Summer 2016

- Learned how to maintain a calm and efficient work pace in the chaotic and rapid work environment of a factory
- Ensure that orders, procedures, and policies are carried out in regard to proper stacking and handling of the packages/boxes to keep its contents unharmed and intact
- Keep accurate records on the jobs that are completed and report any cargo discrepancies to the managers or superior
- Handled fragile items and hazardous materials in a safe manner according to company and government rules and regulations

VOLUNTEER WORK AND ACTIVITIES

The Ohio State University Varsity Wrestling Team

Columbus, OH

Member

August 2015 - May 2018

- Committed over 40+ hours a week to training, watching film, games, and traveling while also maintaining a full academic course load
- Scholar- Athlete Award recipient
- Big-Ten Team Champions

Cypress Wesleyan Church

Galloway, OH

Youth Group Leader

Summer 2016 – Present

- Organized and chaperoned large number of weekly youth groups for high school students along with events such as camps and retreats (3-4 hours a week not including camps/retreats)
- Created and conducted dynamic lesson plans based on the church's teachings to development the kids' faith and character both in a large group setting and in smaller individualized groups