

Matthew D. Fulton

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EDUCATION

The Ohio State University, Columbus, OH
Chemical Engineering, Bachelors of Science

May 2019



ENGINEERING PROJECTS

Facility Scale-Up Project

January-April 2019

- Tripled production capacity of a local spirits manufacturing facility
- Evaluated equipment sizing and batch scheduling using SuperPro
- Presented plan to add fermenters and distillation column; got an A

Adsorption Experiment

September 2018

- Collaborated to research acetic acid adsorption by activated carbon
- Analyzed cost and design components to determine the practicality of a scaled-up adsorption process
- Designed an optimized process; received an A for the project

Advanced Energy Vehicle (AEV) Project

January-April 2016

- Built an efficient AEV to retrieve an object with team members
- Programmed Arduino to complete objectives and adjusted design
- Optimized energy usage; got an A for the project

LEADERSHIP AND ACTIVITIES

Job Shadowing Experience, Abengoa Bioenergy

April-May 2015

- Observed daily plant operations in an ethanol plant
- Studied the work in a variety of departments including common operations, maintenance, laboratory, and safety procedures

Eagle Scout, Troop 631

April 2015

- Coordinated disc golf course construction, recruiting and supervising
- Communicated with local church leadership to design course
- Led team in the installation of the course

WORK EXPERIENCE

Host and Cashier, Bandanas Barbecue

Summers of 2016-2018

- Provided excellent customer service in a fast paced environment
- Handled finances, processing transactions and balancing cash

Sales Representative, Vector Marketing

June-August 2015

- Demonstrated value of product in appointments set up with clients
- Recognized and met customer needs through communication

Umpire, Ballwin Athletic Association

April 2013-June 2016

- Made decisions in a fast paced environment and handled conflict

OBJECTIVE

I'm seeking an entry level engineering position utilizing scale up and problem-solving skills in a team-oriented environment. I am available immediately upon receipt of the offer and am open to relocation.

COURSEWORK

- Experimental Design
- Process Control
- Economics
- Process Design and Development
- Separations
- Heat Transfer
- Mass Transfer
- Thermodynamics
- Kinetics

COMPUTER SKILLS

- Matlab
- ChemCAD
- SuperPro
- C++
- Python
- Excel