

Matthew Fulton

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OBJECTIVE

Seeking an entry level engineering position utilizing scale up and problem-solving skills in a team-oriented environment, available immediately upon receipt of offer, open to relocation

EDUCATION

The Ohio State University, Columbus, OH, May, 2019

B.S. Chemical Engineering;

2.81 GPA

ENGINEERING PROJECTS

Facility Scale-Up Project (January 2019-April 2019)

- Collaborated with a team of students to triple production capacity for a local spirits production facility
- Utilized SuperPro to evaluate equipment sizing and batch scheduling and contacted vendors to determine equipment pricing
- Recommended plan to add additional fermenters and a distillation column and received an A for the project

Adsorption Experiment (September 2018)

- Conducted an in-depth experiment as part of a team analyzing adsorption of acetic acid by activated carbon
- Analyzed the practicality of a scaled-up process, including cost analysis and design components
- Designed an optimized process and received an A for the project

Advanced Energy Vehicle Project (AEV) (January 2016-April 2016)

- Worked with a team to build an AEV to retrieve an object while optimizing energy output
- Adjusted physical design and programmed Arduino to complete objectives
- Met goal for energy usage and received an A for the project

QUALIFICATIONS

- Coursework: Separations, Heat Transfer, Mass Transfer, Thermodynamics, Kinetics, Process Control, Experimental Design, Economics, and Process Design and Development
- Software: Matlab, ChemCAD, SuperPro, C++, Python, and Excel

WORK EXPERIENCE

Bandanas Barbecue, Host and Cashier (May 2016-August 2016, May 2017, and May 2018- July 2018)

- Provided excellent customer service in a fast paced environment

Vector Marketing, Sales Representative (June 2015-August 2015)

- Set up appointments with clients; familiarized with products; sold knives and other kitchen items

Ballwin Athletic Association, Umpire (April 2013-June 2016)

- Made decisions in a fast paced environment, handled conflict, and developed conflict resolution skills

LEADERSHIP AND ACTIVITIES

Eagle Scout (April 2015)

- Coordinated the construction of a disc golf course, including recruiting and supervising responsibilities
- Designed course in communication with church leadership and led in the installation of the course

Abengoa Bioenergy- Illinois Job Shadow Experience (April 2015-May 2015)

- Gained exposure to daily plant operations in an ethanol plant by shadowing various departments
- Observed common operations, maintenance, laboratory, and safety procedures