Mallory Eckstein

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**Skills/Capabilities/Expertise**

* Proficient in ChemCAD, Excel, and Polymath, and Python.
* Experience with Six Sigma, and DMAIC projects, lean manufacturing, and public speaking.

**Education**

**University of Alabama** Tuscaloosa, AL

Master of Business Administration, August 2021

GPA: 3.4

Supply Chain / Operations Management

**University of Alabama**, Tuscaloosa, AL

Bachelor of Science in Chemical Engineering, May 2020

GPA: 3.58

**Analytical/Research/Project Experience**

**Teaching Assistant, University of Alabama,** Tuscaloosa, AL **Aug 2018-May 2019**

Thermodynamics Teaching Assistant

* Assisted Dr. Van Zee in teaching Chemical Engineering Thermodynamics. Created instruction modules, graded daily homework assignments, and proctored quizzes and exams.

**Optimization Projects, University of Alabama,** Tuscaloosa, AL **Spring 2020**

Chemical Engineering Senior Design

* Worked with a team of three students to optimize a distillation column and gas turbine with given specifications. Formulated processes through ChemCAD to get desired results with the most efficient design.

**Work Experience**

**Landing, Birmingham, AL August 2020-Present**

Membership Sales Advisor

* Generated sales for the company by communicating with leads by phone and email.
* Conveyed feedback from customers to experience team and worked with them to improve customer service.

**Ascend Performance Materials, Decatur, AL May 2019-August 2019**

Chemical Engineering Intern

* Assessed chemical loading process and implemented lean manufacturing to prepare for major production increase.
* Applied Six Sigma and DMAIC process to optimize raw material ordering and storage.
* Streamlined storage and organization of tools using 5S approach to reduce labor time loading chemicals.
* Bench tested various belt press samples to increase efficiency of wastewater treatment plant.

**National Student Leadership Conference, Yale University May 2018-August 2018**

Team Advisor

* Worked on Yale campus for four 9-day conferences for high school students with an interest in engineering.
* Oversaw and taught engineering seminars on CAD, programming, soldering.
* Conducted leadership sessions and debriefs where I served as teacher, facilitator, chaperone, and resident advisor.

**Honors/Leadership/Activities**

* Climb Award, Ascend Performance Materials
* Alpha Omega Epsilon, Director of Recruitment