

# Chloe Dorst

c.dorst@mst.edu | 913.731.2872

## EDUCATION

### MISSOURI S&T

B.S. CHEMICAL ENGINEERING  
GPA: 3.79 / 4.0 | May 2021

## COURSEWORK

CHEMICAL ENGINEERING  
Thermodynamics I & II  
Transport Phenomena  
Material and Energy Balances  
Separations\*  
Process Design\*  
Reactor Design\*

PROGRAMMING  
Numerical Computing  
MATLAB

CHEMISTRY  
Analytical Chemistry  
Organic Chemistry

MATHEMATICS  
Differential Equations  
Linear Algebra  
Engineering Statistics\*

(\*course to be taken Spring 2020)

## ACTIVITIES

CHAMBER ORCHESTRA  
Missouri S&T  
Principal Cellist

SYMPHONY ORCHESTRA  
Missouri S&T  
Principal Cellist

SERVICE LEARNING SYMPOSIUM  
Missouri S&T  
Invited Speaker

VOLUNTEERING  
First UMC Rolla  
Audio Visual and Children's Church

## EXPERIENCE

### CHEMICAL ENGINEERING INTERN

FIKE CORPORATION | COMBUSTION TESTING LABORATORY  
January 2019 – August 2019 | Blue Springs, MO

- Created and implemented hazardous material handling procedures including a new Chemical Hygiene Plan
- Performed and analyzed dust combustion tests: Explosibility, MIE, MAIT, MIT, MEC, LOC, VRT, Burn Rate
- Evaluated and improved lab Standard Procedure Instructions based on research in new combustion testing methods
- Developed lab quality documentation for ISO 17025 accreditation
- Collaborated with engineers and lab technicians to understand and resolve abnormalities in testing
- Presented findings and accomplishments to Fike's Executive Board and engineering leadership

### WRITING CENTER CONSULTANT

MISSOURI S&T | WRITING CENTER  
August 2018 - present | Rolla, MO

- Reviewed students' writing for accordance with writing conventions and document specific expectations
- Enhanced students' understanding of the writing process through tailored explanation of writing concepts
- Led writing presentations for freshman engineering course
- Mentored new consultants through the Writing Center training program
- Refined personal writing and communication skills through interactions with students and fellow consultants

### COURSE GRADER

MISSOURI S&T | ENGINEERING COMMUNICATIONS  
August 2019 - present | Rolla, MO

- Graded student writing for conformance to assignment expectations and basic writing conventions
- Communicated with course professor and teaching assistants to understand expectations for the course
- Established and maintained personal time table for grading and returning assignments

### CELLO INSTRUCTOR

KALIEDESCOPE DISCOVERY CENTER, SELF EMPLOYED  
August 2015 – December 2018 | Manhattan, KS & Rolla, MO

- Developed training plans for students across multiple years
- Coordinated lesson schedules with students' families and teaching facilities
- Personalized instruction to individual student skill level and learning style