

Chloe Dorst

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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

MATH
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

MUSIC SELECTION COMMITTEE
MS&T Symphony Orchestra
Member

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 results of dust combustion tests (MIE, MAIT, MIT, MEC, LOC, VRT, Burn Rate, Explosibility)
- 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 at the end of co-op term

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
- Lead 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 | CE/ARCHE 2003
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