

Charlie Chemical
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Objective: To obtain a full-time position related to the field of Chemical Engineering.

Education: Bachelor of Science, Chemical Engineering

Rose-Hulman Institute of Technology, Terre Haute, IN

Minor: Biochemical Engineering, Spanish, Mathematics

Re lated Co urse s: Statistical Methods in Six Sigma, Bioseparations, Biochemistry, Unit Operations Lab, Biochemical Engineering, Quality Methods, Industrial Microbiology

May 2018

GPA: 3.50

Skills:

Technical: 5S and Six Sigma, cGMP experience, cell culture, antibiotic discovery, CAPA

Software: Aspen Plus, Excel Expert, Microsoft Office, SolidWorks 2016, Minitab, DeltaV

Certifications: Chemical Reactivity Hazards Certification, Risk Assessment Certification, Inherently Safer Design Certification

Work Experience:

Catalent

June-Aug. 2017

Quality Assurance Intern, Bloomington, IN

- Created visualizations of large datasets to make processes more efficient
- Arranged cross-functional stakeholder meetings to develop effective tracking tools
- Received top award for intern poster presentation

Department of Chemical Engineering

2016-2017

Materials Science Grader, Terre Haute, IN

- Collaborated with professor to return homework more efficiently
- Developed time management strategies to balance workloads

Department of Mechanical Engineering

2015-2016

Graphical Communications Teaching Assistant, Terre Haute, IN

- Nominated to assist a professor with teaching SolidWorks 2016
- Assisted students individually to develop problem solving methods
- Evaluated different ways to troubleshoot solid models

Technical Experience:

Drug Delivery Project

2017

- Modeled mass transfer properties of small molecule drug analog
- Altered manufacturing practices to reduce variation in drug delivery beads
- Analyzed results to determine significant factors in mechanics

Protein Concentration Project

2017

- Developed protocol to optimize protein concentration from 0.5 mg/mL to 4 mg/mL
- Troubleshot data logger on filtration equipment
- Designed an experiment to maximize process efficiency

Chem-E Car Renewable Fuels Production Special Project

2016

- Designed fermentation vessel, reflux condenser, and fermentation process
- Defended economic and technical feasibility of the project through 9 month approval process
- Coordinated multidisciplinary team to meet production milestones
- Developed P&ID for car safety documentation

Honors & Involvement:

Rose-Hulman Dean's List (10 Consecutive Quarters)

Omega Chi Epsilon Academic Honor Fraternity

Member Chem-E Car, *Director of Design*

Indiana Karst Conservancy, Member

Rose-Hulman NCAA Track Team, Member

Alpha Chi Sigma Professional Fraternity

American Institute of Chemical Engineers

Eagle Scout