

First and Last Name

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EDUCATION

University of Illinois, Chicago

Bachelor of Science in Chemical Engineering

Expected: May 2022

GPA: 3.39/4.00

Relevant Coursework: Transport Phenomena I-III, Computational Methods in Chemical Engineering, Fluid Mechanics

SKILLS

Languages: C++, MATLAB, VBA scripts

Software: Aspen Plus, ACAD, Microsoft Office (Excel, Visio, Project)

INTERNSHIP EXPERIENCE

Process Engineering Intern, CSL Behring

05/2021-08/2021

- Design Lead for CIP Upgrade:
 - Designed a preliminary layout for a caustic system to support new Cleaning-In-Place (CIP) skids
 - Design reduced the annual cost by \$0.5M to supply the skids with cleaning solution
 - Developed caustic piping layouts and piping and instrumentation diagrams (P&IDs)
 - Conducted meetings with Environmental Health and Safety to ensure compliance to all guidelines
- Developed engineering documentation including request for proposals (RFP) and change controls
- Managed and executed a \$15K CAPA project for the installation of a zero-static-3-way block valve
- Delivered an engaging presentation on hygienic piping design following 2019 ASME-BPE regulations

WORK EXPERIENCE

Circulation Assistant, UIC Daley Library

05/2019-08/2020

- Provided customer service to 100+ patrons per week, assisting with retrieving and returning library materials
- Assisted with reshelving books and other library materials
- Trained new Circulation Assistants on standard operating procedures at the Circulation Desk

Mathematics and Science Tutor, Community College

08/2018-05/2019

- Tutored students in Organic Chemistry I-II, Calculus I-III, and Physics I-III
- Effectively explained complex topics to further the student's understanding of the material

Chemistry Laboratory Assistant, Community College

08/2017-05/2019

- Updated inventory of chemicals and safety data sheets
- Accurately and safely performed dilutions and set up laboratories for physics and chemistry courses
- Maintained safety equipment by completing weekly routine testing

PROJECTS

Calorimeter Design Competition, University of Illinois at Chicago

10/2020-12/2020

- Led a team of 4 fellow engineering students, delegated tasks, and coordinated meetings
- Designed and constructed a calorimeter prototype in SolidWorks using laser-cutting and 3D printing
- Received "Best Technical Presenter Award"

STUDENT ORGANIZATIONS

American Institute of Chemical Engineers (AIChE) Member

02/2021-Present

- Selected by the University to serve on a panel of Chemical Engineers to spread awareness of internships

Vice President of STEM Club, Community College

08/2018-05/2019

- Organized and executed STEM outreach programs to inspire local middle school students