

Jack Renning

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EDUCATION

B.S.E in Chemical Engineering with a focus in Data Science

Expected Graduation 2024

University of Iowa – Iowa City

GPA 3.88/4.00

SKILLS & CERTIFICATIONS

Software: Word, PowerPoint, Excel, Access, Aspen, Linux

Programming Languages/Tools: Python, R, VBA, MATLAB, Git, SQL

Certifications: Microsoft Office Specialist: Word, PowerPoint, Excel, Access, Google Data Analytics Certificate

Personal Skills: Communication, Organization, Team Management, Adaptability

INTERNSHIP EXPERIENCE

Process Engineering Intern

May 2022 – August 2022

Vishay Intertechnology, Columbus, NE

- Automated the creation of various reports using VBA macros saving over 30+ hours a month
- Constructed a graphical user interface (GUI) using Python to enable the generation of a report, increasing the visibility of the error data for each individual machine or group of machines
- Revised inspection parameters within quality control to categorize types of scrap more accurately, identifying future areas of process improvement

Supply Chain Intern

June 2021 – August 2021

World Class Industries, Hiawatha, IA

- Analyzed data collected from a customized ERP inventory system using Excel to help establish an ABC inventory system to balance number of shipments and inventory management costs
- Constructed a report detailing recommended quoting changes due to pandemic freight rates, which once implemented saved the company over \$50,000 in annual losses.
- Ensured NAFTA compliance for over 1000 incoming and outgoing parts

OTHER EXPERIENCE

Lead Engineering Tutor

August 2022 – Present

University of Iowa, Iowa City, IA

- Assist over 15 students a night in reviewing key concepts in engineering courses including thermodynamics, principles of chemistry, and material science to prepare them for success in classes
- Provide tutors with resources and additional support when dealing with a difficult problem or student
- Create initiatives and help implement a culture of continuous improvement for the staff and tutees

Teaching Assistant

August 2022 – Present

University of Iowa, Iowa City, IA

- Lead weekly group office hours to help students better understand the course material and complete their assignments
- Facilitate the grading of projects and homework assignments for over 40 students

EXTRACURRICULARS

- Member of the American Institute for Chemical Engineers
- Participant in the AIChE Chem-E-Car Competition
- Member of the UI Running Club