CLAIRE KONZ

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EDUCATION

Bachelor of Science in Industrial Engineering   Expected May 2021
   Purdue University - West Lafayette, IN

Technical Skills: Excel, SQL, Python, Minitab, MATLAB, Outlook, R, HTML, CSS, PHP, LaTeX

CERTIFICATIONS

Entry-Level Programming in Python Certification, *Purdue University College of Engineering*   April 2020
Lean & Six Sigma Green Belt Certification, *Institute of Industrial and Systems Engineers*   December 2020

UNDERGRADUATE RESEARCH

Impact Evaluation of Hackathons, *LASER PULSE – Dr. Yuehwern Yih*   June 2020 – Present
- Coordinated interview scheduling and survey roll out for 50 study participants during the data collection phase
- Performed qualitative data coding and analysis to identify common themes among interviewee commentary

Prolonged Standing in the Operating Room, *HEAL Lab – Dr. Denny Yu*   January – May 2020
- Inspected measurement data from 6 trial cases to identify algorithm errors and compute descriptive statistics
- Presented research results in a poster at the Spring 2020 Purdue Undergraduate Research Conference

PROFESSIONAL EXPERIENCE

Purdue University – West Lafayette, IN, *Teaching Assistant*   August 2020 – Present
- Guided 400 students through introductory python programming exercises, providing feedback when necessary
- Independently developed an auto-grader to streamline student homework evaluation

Kohl's E-commerce Fulfillment Center – Plainfield, IN

Industrial Engineering Intern   June – August 2020
- Developed 3 low-cost contingency plans to absorb impact of unforeseen spikes in mail-in returns volume
- Analyzed impact of COVID-19 on mail-in returns to justify need for additional returns processing capacity
- Eliminated 25% of systemically lost orders by identifying process errors and recommending corrections

Industrial Engineering Intern   June – August 2019
- Co-managed an $80M building expansion through vendor management and contractor interfacing
- Evaluated return on investment for piloting and full-scale implementation of new inline auto-bagging equipment

LEADERSHIP EXPERIENCE

Institute of Industrial and Systems Engineers – Purdue, *Professional Development Director*   November 2019 – May 2020
- Managed a 12-person board that organized 11 professional development events throughout the semester
- Established an online resource system for board members to exchange advice, ideas, and information
- Organized largest Spring IE career fair to-date with 30 companies and over 300 students in attendance

PROFESSIONAL ORGANIZATIONS

Purdue Solutions, *Consultant*   September 2019 – Present
- Conducted a survey investigating disparities between faculty workload and salary, yielding a 60% response rate
- Worked with a multi-organization team to make data-based recommendations for reducing fuel costs at Purdue
- Evaluated market size for lightning protection systems in the U.S. to assist a client with marketing strategy

Institute of Industrial and Systems Engineers – Purdue, *Board Member*   August 2018 – Present
- Designed corporate sponsorship packages for the 2021 IISE Great Lakes Regional Conference
- Initiated a partnership with InternX to reduce time students spend waiting in lines at the IE career fair
- Overhauled monthly IISE newsletter to include interviews, statistics, and advice for IE undergraduates

AWARDS

Impact Evaluation of Hackathons, *People's Choice -- IE Summer Project Program*   August 2020
Prolonged Standing in the Operating Room, *Top 10 Undergraduate Research Poster -- College of Engineering*   May 2020