CLAIRE KONZ

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EDUCATION

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

Technical Skills: Excel, SQL, Python, Minitab, MATLAB, Outlook, G-Suite, Google Scripts, R, HTML, CSS, PHP, LaTeX

PROFESSIONAL EXPERIENCE

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

Industrial Engineer   June 2021 – Present
- Completed time studies on 2 job codes representing 25% of building hours to maintain accurate labor standards
- Devised a capacity model to quickly analyze effects of work mix and process changes on building throughput
- Co-lead a network-wide standardization committee to align operational processes between buildings
- Analyzed seasonal associate performance to identify trends and understand contributions to building-wide goals
- Driving efforts to establish effective avenues of providing continuing education opportunities to Kohl's IEs

Industrial Engineering Intern   June – August 2020
- Developed 3 low-cost contingency plans to absorb impact of unforeseen spikes in mail-in returns volume
- 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

Purdue University – West Lafayette, IN, *Teaching Assistant*   August 2020 – May 2021
- Guided 400 students through introductory python programming exercises, providing feedback when necessary
- Independently developed an auto-grader to streamline student homework evaluation

ENGINEERING PROJECTS

Smart Factory Optimization Using Arena, *Purdue University*   Spring 2021
- Contributed on a 7-person team to use Arena simulation software to combine machine layout, machine selection, job selection, and order control improvements to lower total production cost for 1000 orders by 43%
- Investigated methods of improving machine layout and job selection methods for a hypothetical smart factory

Interactive Chatbot for Noise Repair Diagnostics – Senior Design Capstone, *Purdue University*   Spring 2021
- Interfaced bi-weekly with an international client to understand product needs and use cases
- Collaborated with a 4-person team to prototype an interactive chatbot to reduce repair diagnosis time by 83%
- Received "excellent" evaluation from both the client and team advisors upon conclusion of the project

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 the largest Spring IE career fair to-date with 30 companies and over 300 students in attendance

Purdue Solutions Consulting, *Project Manager & Consultant*   September 2019 – May 2021
- Conducted a survey investigating disparities between faculty workload and salary, yielding a 60% response rate
- Worked with a multi-organizational 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

AWARDS & CERTIFICATIONS

Lean & Six Sigma Green Belt Certifications, *Institute of Industrial and Systems Engineers*   April 2021
People's Choice Research Poster - Impact Evaluation of Hackathons, *2020 IE Summer Project Program*   August 2020
Top 10 Undergraduate Research Poster - Prolonged Standing in the Operating Room, *Purdue Engineering*   May 2020
Entry-Level Programming in Python Certification, *Purdue University College of Engineering*   April 2020