HAMZA IQBAL

(254) 319-1406
hamzaiqbal.hi7@gmail.com
1101 Luther St W, Apt. 1135
College Station , Texas 77840

OBJECTIVE Seeking an internship in industrial engineering or in a related field for Summer 2020

EDUCATION

Texas A&M University (TAMU), College Station, Texas
Bachelor of Science in Industrial Engineering, Minoring in Engineering Project Management
December 2020

TECHNICAL SKILLS

MS Excel	Python	C
MATLAB	VBA	Solidworks

WORK EXPERIENCE

Fischer Engineering Design Center, Texas A&M University
Student Technician (16 hours/week), *December 2018- Present*

- Facilitated the use of equipment by 100 students per shift
- Maintained an organized workspace for users of the design center
- Trained 3 volunteers and a new employee

RELEVANT EXPERIENCE

Large Scale Production System Design
April 2019

- Devised a design concept for a car factory to maximize profit
- Ran a simulation based on the original design concept then made an enhanced plan
- Compared 2 simulations (one with each variation of the design concept)
- Developed a Gantt chart, Pugh chart, and process flow chart for a future plan

Lifting Task Evaluation
March 2019

- Observed a worker lifting a box and recorded data for analysis
- Computed the recommended weight limit and the risk of lower back injury
- Provided 2 recommendations to lower the risk of injury with a lifting index after applying each one
- Illustrated how each recommendation would change the task

FAQ Chatbot
March 2019

- Utilized 5 frequently asked questions from the ISEN department's website for chatbot development
- Designed the chatbot to answer questions appropriately with conversational flow
- 27 different interactions possible
- Documented test chat sessions and modified design when improvement was possible

Business Card Holder Design
February 2019

- Developed 12 engineering characteristics from customer requirements
- Integrated features of prototypes from each person on the team to form the final product

Lean Production System Design
February 2019

- Identified 7 types of waste within a production cell along with possible countermeasures to reduce waste
- Collaborated with team members to form 8 design rationale that improved the cell layout and material flow
- Decreased the number of operators needed from 5 to 4

ACTIVITIES

Aggie Career Team, January 2017 – Present
Institute of Industrial and Systems Engineers, January 2018 – Present