

# Bader Alsoraihi

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## EDUCATION

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### **Bachelor of Science in Industrial & Systems Engineering** | San Jose State University | San Jose, CA | Spring 2024

- Relevant coursework: Engineering Economic Systems & Activity Costing, Operation Planning and Control, Engineering Management, Systems Engineering, System Simulations, Engineering Probability & Statistics, Operations Research, Design of Experiments, Supply Chain Engineering, Service Systems Engineering.

## EXPERIENCE & PROJECTS

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### **Warehouse Automation** | Albertsons | Tracy, CA | Aug 2023 - Current

- Collaborated on a team project to optimize the product eligibility determination process within the Albertsons warehouse automation system.
- Led the analysis of daily velocity data for a sample of 50 products, applying diverse metrics, including control charts, forecasts, Pareto charts, queue analysis, and statistical analysis. Skillfully categorized products into slow, average, and fast movers, demonstrating proficiency in data-driven decision-making and contributing valuable insights for automation strategies.
- Currently in the testing phase, selecting 10 products based on our analysis for integration into the automation system. Actively evaluating their performance to identify areas for improvement and ensure optimal automation efficiency.

### **Service Systems Engineering & Management Project** | Philz Coffee | San Jose, CA | Spring 2021

- Performed Service System analysis on Philz Coffee with a goal to improve & optimize business.
- Forecasted monthly demand for ingredients for the year by using PCS methodologies.
- Developed a strategic plan to improve servicescape of business by evaluating current service package using service blueprints, walk through audits and statistical process control analysis.

### **Real-Time Car Manufacturing System Design Project** | SJSU | Fall 2022

- Led a team in designing and implementing a highly efficient pull system using Kanban for car doors and instrumental panels, resulting in a 30% reduction in lead time and a 20% increase in production throughput.
- Conducted experiments and sensitivity analysis, optimizing the system for all three-color percentage data sets and achieving a 15% reduction in overall waste.
- Balanced the workflow and optimized system performance, leading to a 25% increase in production efficiency and a 10% decrease in production costs.

### **Operations Planning & Control Project** | SJSU | Spring 2023

- Identified multiple forecasting methods, production planning, MRP, capacity planning, and scheduling for enterprise.
- Improved the yield management to have an ideal balance between capacity and demand avoiding backorder and high inventory.
- Reduced cycle and cost time of the facility using simulation software ProModel in addition to data that includes bill of materials, routings, and other necessary data in order to optimize workflow.

### **Office Assistant** | San Jose State University Housing Services | San Jose, CA | Aug 2021 – Feb 2022

- Updated paperwork and maintained documents, ensuring 100% accuracy and completeness.
- Assisted in organizing the office space, resulting in improved efficiency and streamlined workflows.
- Monitored and maintained inventory, reducing stock shortages by 25% and ensuring availability of office supplies and materials.
- Managed office equipment, performing regular maintenance checks and resolving technical issues promptly.

## SKILLS

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**Software:** Microsoft Office, Solid Works, Python, C+, MiniTab, LINGO, ProModel.

**Soft Skills:** Leadership, Communication, Flexibility, Engagement, Team player, Problem Solving, Decision support, Positive attitude, Efficient at individual and teamwork.

**Languages:** Fluent in English, Arabic.

## LEADERSHIP ACTIVITIES & VOLUNTEER EXPERIENCE

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### **Teen Entrepreneur Academy** | Irvine, CA | July 2019

- Led a team in constructing a business idea and presenting it to investors, resulting in the team placing in the top 5.
  - Developed a comprehensive service blueprint to guide the team's implementation of the business idea and Forecasted costs for the project, ensuring the team had a realistic budget to work with.
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