ZIJIA (WILL) WANG

490 Barnes Dr. #1331 Phone: (818)-919-8032
San Marcos, TX, 78666 Email: zvh11@txstate.edu

EDUCATION

New Jersey Institute of Technology *Newark, NJ*
Ph.D. in Industrial Engineering *August 2024*
Lehigh University *Bethlehem, PA*
Master of Engineering in Industrial & Systems Engineering *May 2019*
Lehigh University *Bethlehem, PA*
Bachelor of Science in Industrial & Systems Engineering *May 2017*

Employment

- **Texas State University (San Marcos, TX)**
  Lecturer. Industrial Engineering, Ingram School of Engineering 2024.9—

RESEARCH INTERESTS

Applied Operations Research; Supply Chain; Optimization; Mixed-Integer Programming; Dynamic Programming; Machine Learning; Deterministic Optimization Models in Operations Research; Stochastic Models in Operations Research; E-Commerce; Warehousing and Distribution Operations for online retail supply chains.

JOURNAL PUBLICATIONS/ WORKING PAPERS

- Jinming Liang, Qing Lv, **Zijia Wang**, Yuyang Hu, Haoyuan Xue, Bo Wang, Yi Wei, Yumeng Zhang. (2025). **"A Novel Hybrid Multi-Objective Optimization Framework Based on ELM–NSGA-II–TOPSIS: Case Study of Rare Earth Electrolytic Cell.,"** *Chemical Engineering Science, 312, 121669.*
- Zijia Wang, and Sanchoy Das, (2024) **"Fulfillment of Buy Online Pickup from Store Grocery Orders: Processes, Layouts, and Models,"** *International Journal of Industrial and Systems Engineering*, Accepted
- Zijia Wang, and Sanchoy Das, (2024) **"Batching of Buy Online Pickup from Store Grocery Orders for Efficient Picking in a Straight Aisle Layout,"** *International Journal of Production Economics*, under review
- Zijia Wang, and Sanchoy Das, (2024) **"Order Picking of Items with Attribute Selection: Applications in Grocery Store Order Fulfillment,"** *Computers and Operations Research*, Ready to Submit
- Zijia Wang, and Sanchoy Das, (2024) **"Servicing of Commingled Picker and Customer Queues in Multiple Service Counters with Uncertain Service Times,"** *Computers and Operations Research*, Ready to Submit

CONFERENCE PRESENTATIONS

- Zijia Wang, and Sanchoy Das, **"Order Picking Strategies and Efficiency Models for the Fulfillment of Multi-Line E-commerce Grocery Orders"**, *INFORMS Conference, Oct 2023*

TECHNICAL SKILLS

• Computer: Python, Gurobi, AMPL, CPLEX, Minitab, MATLAB, AutoCAD.