Ryan Park

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EDUCATION

Columbia University   New York, NY
Bachelor of Science in Industrial Engineering   Aug 2024 – May 2028
Relevant Coursework: Operations Research, Supply Chain Management, Data Analytics, Quality Control, Optimization, Simulation
GPA: 3.87/4.0

TECHNICAL SKILLS

Software: Python, R, SQL, Tableau, SAP, Arena Simulation
Tools: Six Sigma Green Belt, Lean Manufacturing, AutoCAD, MS Project

PROJECTS

Warehouse Automation System | *Python, IoT*
- Designed automated warehouse management system using IoT sensors
- Implemented predictive maintenance algorithms
- Reduced picking time by 35% through optimized routing

Supply Chain Optimization | *Python, Machine Learning*
- Developed ML models for demand forecasting
- Created inventory optimization algorithms
- Reduced inventory costs by 25% in simulation

Manufacturing Process Optimization | *Arena, Six Sigma*
- Conducted simulation study of production line efficiency
- Implemented Lean manufacturing principles
- Improved throughput by 40% through process redesign

RESEARCH EXPERIENCE

Research Assistant - Operations Research Lab   Sep 2023 – Dec 2024
Columbia University   *New York, NY*
- Developing optimization algorithms for urban logistics
- Created simulation models for last-mile delivery
- Published findings in Transportation Research Journal

WORK EXPERIENCE

Industrial Engineering Intern   May 2023 – Aug 2023
Amazon   *Seattle, WA*
- Optimized fulfillment center operations using data analytics
- Implemented new sorting algorithms for package routing
- Reduced processing time by 20% through workflow improvements

Operations Intern   Jun 2022 – Aug 2022
FedEx   *Memphis, TN*
- Analyzed package routing efficiency in sorting facilities
- Developed KPI dashboards using Tableau
- Identified cost savings of $300K annually through route optimization