

ADJA GUEYE

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PROFESSIONAL SUMMARY

Industrial and Systems Engineering student minoring in Data Science & Analytics with hands-on experience in workflow optimization, system modeling, process improvement, and client relations. Proven ability to translate complex operational requirements into actionable technical solutions, perform system analysis, and manage stakeholder communication. Skilled in evaluating processes, analyzing data, identifying performance trends, documenting results, and improving customer experiences. Seeking an internship or an entry-level opportunity focused on quality and process improvement, supply chain, logistics, and operations.

EDUCATION

Kennesaw State University, Marietta, GA

Expected Graduation: Spring 2027

Bachelor of Science in Industrial and Systems Engineering

Concentration: Systems Engineering | **Minor:** Data Science & Analytics

Relevant Coursework: Design & Process Improvement • Project Management • Operations Research Optimization • System Modeling and Simulation • Human Factors • Statistical Quality Control.

SKILLS

- Technical & Data Tools: Minitab, Python, R, SAS, Arena, MS Excel, AutoCAD, SysML.
- Methodologies: Human Factors, Process Improvement, Optimization & Operations Research, Lean Six Sigma, Data Analytics.

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant | Kennesaw State University

Mar. 2026 – Present

- Lead workflow optimization and time-study analysis for school-based preventive oral health service delivery systems across Metro Atlanta.
- Analyze complex operational workflows, evaluate data, and increase efficiency to improve oral healthcare processes.
- Present data-driven findings and technical recommendations directly to multidisciplinary project stakeholders.

Service Operations Associate | Be Relax Spa | Atlanta, GA

Jul. 2024 – Aug. 2025

- Evaluated daily customer check-in patterns and service logs to identify process delays, successfully reducing client wait times, and improving front-of-house flow.
- Managed scheduling systems under variable customer demand to optimize staff utilization and balance service capacity during peak airport rushes.
- Standardized daily operations by training team members on updated software systems and operational protocols, ensuring consistent service quality across shifts.

PROJECTS

Fire Station Location Optimization

- Formulated an Integer Linear Programming (ILP) model to optimize fire station placement and minimize emergency response times across 100 route-time data points.
- Evaluated resource and coverage constraints to guarantee 100% demand point coverage while reducing projected average response time by 18%.

School District Logistics & Cost Optimization Project

- Built an LP optimization model in Excel Solver & LINGO to minimize municipal busing costs across 6 zones while satisfying capacity and demographic constraints.
- Performed trade-off and sensitivity analyses across multiple walking-distance policies, identifying operational strategies to reduce logistics expenditures by up to 38%.

Service System Usability & Workflow Optimization Project

- Performed root-cause analysis on high-volume ordering and distribution workflows using Human Factors frameworks.
- Developed operational improvements including workload balancing via peak-hour labor reallocation, mobile QR-code ordering integration, and improved spatial zoning to separate queuing and pickup flows.