Addison Cunningham

501-438-2885
Fayetteville, AR 72704 akc031@uark.edu

EDUCATION

Bachelor of Science in Industrial Engineering Expected: May 2028
University of Arkansas, Fayetteville, AR | GPA 3.6

RELEVANT EXPERIENCE

Pricing and Supply Chain Engineering Intern, ArcBest June 2026 - August 2026

- Managed multiple customer pricing requests, translating sales requirements into customized transportation pricing solutions.
- Cleaned and validated historical shipment datasets containing 1,000's to 10,000s of records, identifying missing, inconsistent, and abnormal data prior to analysis.
- Leveraged PivotTables, XLOOKUP, formulas, and filters to analyze shipment data and prepare inputs for proprietary pricing tools.
- Progressed to independently completing complex pricing requests by applying customer requirements, shipment characteristics, and internal pricing guidelines.

Hostess/Expo, Homer's Kitchen Table May 2025 - January 2026

- Greeted and seated guests in a fast-paced environment, ensuring a smooth flow of service and minimal wait times.
- Provided excellent customer service by addressing guest needs and resolving concerns promptly.
- Acted as the communication link between kitchen staff and servers to ensure timely and accurate delivery of food orders.
- Managed ticket flow during peak hours to maintain efficient service and minimize delays.

ENGINEERING PROJECTS

National Park Road Trip Planner Computing Methods II for IE | Spring 2026

- Developed a Java-based road trip planning website as a semester-long software development project, integrating Google APIs to generate routes between user-selected U.S. national parks.
- Implemented and compared multiple optimization algorithms and heuristic methods to determine efficient multi-destination travel routes based on user-selected locations.
- Incorporated distance, travel time, and cost-based metrics into route evaluation, allowing users to compare trip alternatives based on both route efficiency and estimated travel costs.
- Designed the application to translate optimization results into a user-focused trip-planning experience, presenting route and cost information to support travel decisions.

Spotify Playlist Optimization Operations Research | Spring 2026

- Developed a linear/integer programming model to optimize song selection from a larger Spotify playlist, using song-level data to construct smaller, higher-performing playlists.
- Formulated an objective function to maximize aggregate song popularity while incorporating playlist-size and binary song-selection constraints.
- Analyzed model results to assess the effectiveness of different playlist sizes and demonstrate the use of mathematical optimization for a real-world selection problem.

INVOLVEMENT & AWARDS

Society of Women Engineers (SWE) | Member

- Participate in professional development, networking, and career-focused events supporting women in engineering.

Institute of Industrial and Systems Engineers (IISE) | Member

- Engage in professional and academic activities related to industrial engineering, systems engineering, and career development.

Chancellor's List | Recipient- Fall 2024, Spring 2025

- Earned Chancellor's List recognition for Maintaining a 4.0 GPA during the Fall 2024 and Spring 2025 semesters.

Department of Industrial Engineering Scholarship | Recipient

- Selected 4 times for departmental scholarship awards in recognition of academic achievement within Industrial Engineering.