Jason Bogdan

Contact Information:

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University of Arkansas, Fayetteville
B.S. Industrial Engineering & Operation Analytics
Engineering Management Minor
May 2028, 3.15 GPA

Technical Experience & Projects

Regression Model: Fuel consumption predictions
In Spring 2026, a team and I built a trained regression model with a Vaadin interface in Intellij IDEA. The trained model took data inputs and used that data to run a predictor for a hypothetical fuel economy and a trip solver that balanced weighted user preference to report the optimal vehicle.

The effects of Caffeine on Sleep Schedules and Focus
In Fall 2025, my team and I performed a statistical analysis study based on user data from a study on how caffeine consumption can affect sleep and focus, as well as when the harm outweighs the benefits.

Certifications in Microsoft & Google Workspaces

Autodesk Inventor Certification

Relevant Experience

Engineering Peer Mentor, University of Arkansas
I coached 10 students in weekly meetings in the Fall, and 6 in the Spring. Additionally, I worked with lead mentors and supervisors to improve the First-Year Engineering Program. August 2025- May 2026

Lifeguard, University of Arkansas
I am a current lifeguard at the HPER Recreation Center at the University. As a working student, I exhibit time management, hard-working traits, and reliability. 15 hour weeks. August 2026 – Present

Lifeguard, City of Plano, Texas
As a lifeguard for 2025 & a managing lifeguard in 2026, I showed leadership, discipline, time management, awareness, and reliability. 35-40 hour weeks. May 2025- August 2026

Specific Skills and Interests

While interested in all opportunities, my specific skills and professional interests are geared towards project management, engineering management, supply chain, operations research, optimization, and production.

Notable Accolades

Arkansas Club Water Polo
Our club water polo team of 30 active members practices twice weekly and competes in home and travel tournaments. As a freshman member, sophomore officer, and junior Vice President I have been highly involved in the club's recent success. (uarkwpc.com) August 2024 – Present

Eagle Scout & Vigil Honors
Through Scouting BSA, I achieved Eagle Scout Rank in 2024 and the Vigil Honor in 2022 through scouting's national honor society. For my project, I partnered with Spring Valley Elementary to bring free books to students and families that could not afford them using an exchange library. 2014-2025

Dean's List - University of Arkansas
Spring 2026

Lodge Vice Chief – 2023 (miki.org)
Arapaho Chapter Chief – 2022 (arapahochapter.org)

JJ Pearce High School Swim Team
August 2020 - May 2024 – Team Captain Final Year

Martial Arts Black Belt, 2nd Degree
2021, 2023