

Alyssa Ball

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EDUCATION

Bachelor of Science, Industrial Engineering and Operations Analytics

Expected: May 2025

Minor in Engineering Management

University of Arkansas, Fayetteville, AR | 3.53 GPA

SKILLS SUMMARY

- Programming languages: Java, AMPL, R
- Microsoft Project, Access, Excel, Word, and PowerPoint
- Optimization modeling (various applications)
- Economic analysis for engineers and project managers
- Statistics and probability
- Arena simulation software
- Agile project management
- Certified Anaplan Level 2 Model Builder

EXPERIENCE

Undergraduate Course Assistant, Univ. of Arkansas

July 2023-Present

- Grade assessments for the sophomore level Introduction to Industrial Engineering course
- Provide assistance through appointments and office hours to 15-60 students per semester
- Teach electronic portfolio creation to promote career development

Higher Education Institution Program Coordinator, Univ. of Arkansas

May 2023 - Present

- Tested software efficacy using R through the RStudio Integrated Development Environment
- Developed and implemented curriculum with detailed instructional content which has been delivered to more than 100 students through 3 courses within the University of Arkansas College of Engineering
- Worked to improve career development and optimize job searches for engineering students through high-impact and best practices
- Communicated with project stakeholders
- Presented research and implementation findings to >100 engineering professionals and academics between the American Society for Engineering Education Midwest Section Conference and the Institute of Industrial and Systems Engineers South Central Regional Conference

Management Consulting Summer Analyst, Accenture

June 2024 - August 2024

- Worked with a team of consultants on the completion of the first release of the Data Hub and Financial Planning and Analysis models developed for a leading energy technology company
- Used Agile Project Management to conduct Scrum meetings using a Build Management tool
- Translated business requirements to user journeys to accurately replicate client processes
- Conducted client and stakeholder interactions
- Assisted with the conduction of model demos throughout the build process

Research Assistant, System Design and Analytics Laboratory

January 2024 - May 2024

- Assisted research sponsors in defining project objectives and scope
- Assisted with stakeholder analysis and communication to effectively develop strategies
- Researched climate change impacts on Air Force installations with a focus in socioeconomic and human elements within defense communities
- Analyzed climate change financial risks using various data sources from defense organizations in the U.S.

STUDENT ORGANIZATIONS

Member, Society of Women Engineers (SWE), Univ. of Arkansas

Fall 2021 - Present

- Work with a group of peers to plan and promote activities to improve retention and success of engineering students
- Participate in volunteer activities and community outreach events to advocate for studying engineering

Member, Institute of Industrial and Systems Engineers (IISE), Univ. of Arkansas

Fall 2023 - Present

- Maintained the website for the 2024 IISE South Central Regional Conference to be viewed and referenced by 100+ IISE members
- Utilized the WordPress platform for conference website creation and maintenance
- Participate in student-led events to promote on-campus involvement