

# Samuel A. Brogi

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Fayetteville, AR 72701

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## EDUCATION

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**Bachelor of Science in Industrial Engineering and Operation Analytics** Expected: May 2027  
University of Arkansas, Fayetteville, AR | GPA 4.0 |

## JOB EXPERIENCE

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- Gym Cleaner, CLUBHAUS, Fayetteville, AR** January 2024 - Present
- Work 20-25 hr/week while completing 15-17 college credits per semester as a full-time student
  - Manage stock of inventory and assess weekly scheduling
- Waiter/Server, Ginger Restaurant, Fayetteville, AR** January 2022 - September 2023
- Worked 20hr/week while completing junior and senior high school courses
  - Developed communication and multitasking skills in a fast-paced environment

## ENGINEERING-RELATED EXPERIENCE

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- Undergraduate Teaching Assistant for Industrial Engineering Statistics I** August 2025 - Present
- Grade assignments and exams for 50+ students
  - Hold weekly office hours to aid students with homework and answer questions
  - Help formulate questions for assignments and tests
- Shadow, ENTEGRITY Energy Company, Fayetteville, AR** January 2025
- Observed engineers overseeing energy efficiency projects at the University of Arkansas
  - Helped run on-site diagnostic tests at the University of Arkansas

## PROJECTS

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- Data Analysis Project** April 2025
- Analyzed U.S. tornado dataset using Excel and formulated conclusions to identify key performance trends
  - Developed visualizations based on different chart types and delivered findings via Powerpoint
- Software Development Projects** September 2024 - Present
- Designed JAVA programs using OOP principles
  - Built optimization models in AMPL and solved using CPLEX/CBC

## CURRENT COURSEWORK

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- Probability & Stochastic Processes
- Computing Methods II
- Intro to Operations Research
- Engineering Economics

## CLUBS/INVOLVEMENT

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- UARK Men's Club Soccer** August 2023 - May 2025
- Active member of the club; practiced and competed twice weekly

## CERTIFICATION/HONORS

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- Chancellor's List** August 2024 - Present
- Recognized for maintaining a 4.0 GPA as an engineering student
- Governor's Distinguished Scholar**
- Most prestigious scholarship offered by the state of AR to graduating high school seniors
- Chancellor's Community Scholarship**

## SKILLS SUMMARY

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- Programming languages: Java, JavaScript, AMPL, & Google Colab (currently learning)
- Tools/Software: Microsoft Excel, Powerpoint, Word, and other various Microsoft platforms
- Technical: Data analysis, optimization modeling, statistical analysis
- Personal: Problem-solving, time management, teamwork, adaptability