

Jacob W. Holmes

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EDUCATION

University of Arkansas (UA) – Fayetteville

Expected: May 2026

Honors College Bodenhamer Fellow

Candidate for Bachelor of Science in Industrial Engineering

GPA: 4.0/4.0

Candidate for Bachelor of Arts in German, minors in Japanese and Mathematics

RESEARCH EXPERIENCE

Analyzing if There is a Correlation Between Voting Method and Political Party in the 2018 Alaskan Gubernatorial Election

June 2022

- Conducted two-way ANOVA statistical tests in python using an Associated Press Alaskan vote dataset
- Compiled geospatial data for Alaskan representative districts using GIS software
- Presented findings and key visuals to Arkansas EPSCOR researchers

Finding Light Rail Solutions for Northwest Arkansas

April 2022

- Evaluated a decision-weight model to determine the efficacy of Light Rail Transit (LRT) in Northwest Arkansas compared to other alternative transportation plans
- Exhibited results of LRT compared to highway system improvements at the Honors Engineering Research and Innovation Symposium

Determining if the Little Rock School District School Attendance Zones are Gerrymandered by Using Monte Carlo Markov Chains

March 2020

- Created a mathematical model using python to generate random alternative solutions to determine if proposed LRSD school attendance zones were racially gerrymandered
 - Expounded upon outcomes at the Arkansas State Engineering and Science Fair and placed first in the Mathematics Division
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WORK EXPERIENCE

Barista, Starbucks

October 2021 - Present

- Worked with a team of 3-7 in a fast-paced consumer-based environment
 - Commanded knowledge of over 40 menu items to quickly provide customization to orders
 - Conducted business efficiently with a Point-of-Sale system while managing over \$200 in cash
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AWARDS AND RECOGNITION

Japanese Speech Contest: 2nd Place Post-Advanced Level

May 2022

- Delivered a three-minute prepared speech to a panel of Japanese-language professionals
- Researched the history of Japanese High-speed rail to construct an informational speech while employing business-level Japanese vocabulary and grammatical structures

Chancellor's and Dean's List

Fall 2021 & Spring 2022

- Maintained a 4.0 GPA for both the 2021 Fall and 2022 Spring Semester, while enrolled in 16 and 18 credit hours respectively

Bodenhamer Fellowship

Spring 2021

- Organized a compelling application and interview with the University of Arkansas Honors College to earn this prestigious fellowship that contributes \$20,000 per year toward undergraduate study

Governor's Distinguished Scholarship**Spring 2021**

- Received a score of 35 cumulative on the ACT and maintained a 4.0 high school GPA to earn \$10,000 per year toward undergraduate study this scholarship

National Merit Scholarship Finalist**Spring 2021**

- Scored within the top 1% of students in Arkansas on the PSAT and organized a successful application to earn this distinction that contributes \$2,500 to undergraduate study

LANGUAGE EXPERIENCE**Edu-Inter Language School****Summer 2022**

- Completed oral interviews and comprehensive exercises to augment French language experience
- Collaborated with peers to work on several group projects over three weeks, while meeting outside of class to explore the francophone city of Québec and participate in the life of a homestay family

Japanese Language Proficiency Test N3**Dec 2021**

- Demonstrated language knowledge, reading ability, and listening skills by passing the N3 (Level 3) Exam
- Prepared for the exam though the Japanese course: Honors Professional Japanese II: Translation

National Security Language Initiative for Youth**Summer 2021**

- Wrote a successful scholarship application to receive 6 weeks of intensive study in Mandarin
- Received ACTFL Intermediate-Mid Level Proficiency through a certified Oral Proficiency Interview

Arkansas Seal of Biliteracy: Japanese, French, and Spanish**October 2020 & May 2021**

- Received Intermediate-High Level proficiency for all languages through STAMP 4S exams
- Demonstrated Advanced-Mid Level reading proficiency for all languages through STAMP 4S exams

CAMPUS INVOLVEMENT**Data and Operations Coordinator, Jane B. Gearhart Full Circle Food Pantry****May 2022 - Present**

- Prepared monthly reports on client demographics to share with the Northwest Arkansas Food Bank
- Collaborated with other pantry board members to manage the food pantry's daily operations
- Coordinated directives of the food pantry front-desk volunteers with other pantry volunteers

Front Desk Volunteer, Volunteer Action Center**January 2022 - May 2022**

- Assisted clients in ordering food from the pantry by paper and online forms in multiple languages
- Managed over 500 clients' information and orders within pantry database

Honors College Ambassador, University of Arkansas**August 2021 - Present**

- Increased visibility of the Honors College "Curvahedron" by volunteering for 2-4 events each semester
- Co-recruited new students to the honors college by demonstrating impact on campus

Freshman Leadership Forum, Associated Student Government**August 2021 - May 2022**

- Collaborated with nearly 60 acquaintances to address student issues on campus
- Served as mock justice to assess candidacy proposals and to gain an understanding of the University's governance model.

Lead Hogs, University of Arkansas Housing**August 2021 - May 2022**

- Worked with 30 partners to plan residential events for Hotz Honor Hall and discuss leadership on campus
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