

J. ETHAN BATEY (HE/HIM)

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13539 Goose Creek Rd.
Fayetteville, AR

EDUCATION

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| BS | University of Arkansas, Chemistry
GPA: 4.0
Honors College | May 2025 |
| BA | University of Arkansas, Physics
Minor in Mathematics
GPA: 4.0 | May 2025 |

RESEARCH EXPERIENCE

- University of Arkansas, Fayetteville, AR**
Dong Research Group, PI: Bin Dong, PhD Nov. 2021 - Present
Undergraduate Research Assistant
- Biophysical imaging, single-particle tracking, super-resolution imaging, combinatorial spectro-microscopy imaging
 - Cellular culture and dynamics
 - Chemical kinetics and dynamics

TEACHING EXPERIENCE

- University of Arkansas, Fayetteville, AR** Aug. 2021 – Dec. 2022
Supplemental Instruction Leader, Student Success Center
- Assists in the instruction of Fundamentals of Chemistry (CHEM 2073)
 - Develops and grades quizzes and assignments
 - Teaching 4-6 weekly sessions
- University of Arkansas, Fayetteville, AR** Jan. 2022 to May 2022
Supplemental Instruction Mentor, Student Success Center
- Led a team of supplemental instruction leaders for the Fundamentals of Chemistry (CHEM 1073) team
 - Mediated communication between SI leaders and university administration
 - Developed and coordinated review sessions for supplemental instruction material

PRESENTATIONS AND LECTURES

Poster Presentation, “Application of ETL in five-dimensional single particle orientation and rotational tracking (SPORT),” American Chemical Society National Meeting, Aug. 2022

Poster Presentation, “Application of ETL in five-dimensional single particle orientation and rotational tracking (SPORT),” Arkansas INBRE, Oct. 2022

PROFESSIONAL AFFILIATIONS

American Chemical Society, 2021-Present
Undergraduate Member

University of Arkansas Honors College, 2021-Present
Ambassador

National Society for Colligate Scholars, 2020-Present
Member

COMMUNITY SERVICE

Camp Kesem – University of Arkansas
Coordinator, Fayetteville, AR, Oct. 2020 – Jan. 2022

Habitat for Humanity of Washington County
Construction worker, Washington County, AR, Sep. 2020 - Jun. 2021

7hills Homeless Center
Volunteer, Fayetteville, AR, Jun. 2021 - Jan. 2022

GRANT AWARDS

Conference Travel Grant – University of Arkansas Honors College
Jul. 2022

Honorable Mention in Chemistry – Arkansas INBRE
Oct. 2022

REFERENCES

Julie Stenken, PhD, Professor, Proteomics Chair
Dept. of Chemistry and Biochemistry
University of Arkansas - Fayetteville
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Bin Dong, PhD, Assistant Professor
Dept. Chemistry and Biochemistry
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Martin Edwards, PhD, Assistant Professor
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Mya Norman, PhD, Instructor
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Laine Perez, PhD, Director - Supplemental Instruction
Student Success Center
University of Arkansas - Fayetteville
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