

Kaia Y. Brathwaite

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EDUCATION

Xavier University of Louisiana (XULA)

Bachelors of Science in Chemistry, A.C.S Certified (Honors)

- Minor in Mathematics
- Dean's Honor Roll (Fall 2024 - Present)
- Relevant Coursework: Organic Chemistry, Physics, Calculus III

December 2027

New Orleans, LA

Dublin High School

High School Diploma

- Scholar Athlete (Varsity Lacrosse)
- Other Activities: Jack and Jill, Muslim Student Association, Club Lacrosse

May 2024

Dublin, CA

EXPERIENCE

Undergraduate Research Assistant

Meda Energy Lab, Dept. of Chemistry, Xavier University of Louisiana

- Experimented with and synthesized various composite polymer electrolyte for all-solid-state lithium and sodium ion batteries to reduce resistance and improve ionic conductivity
- Worked on new methods for fabricating lithium-ion batteries to increase capacity and performance
- Attended several conferences and presented research and findings
- Mentored new students and taught them laboratory techniques

June 2024 – Present

New Orleans, LA

ACTIVITIES AND COMMUNITY SERVICE

XULA Exponential Honors Program

- Invited to join the Honors Program as a sophomore based on academic performance
- Presented on student experiences and represented the program at XULA events.
- Will create an honors thesis/project before graduating

August 2025 - Present

XULA-Merck Scholars Program for the Biomedical Sciences

- Awarded a merit-based scholarship and stipend recognizing excellence in biomedical sciences.
- Engaged with the research/graduate opportunities office and completed workshops on graduate admissions and internship applications.

October 2025 - Present

XULA American Chemical Society Chemistry Club

- Attended meetings, professional development events and social activities
- Volunteered on campus and at the Louisiana Children's Museum
- Became a mentor to a freshman student and helped them navigate their freshman year

August 2024 - Present

National Society of Leadership and Success (Sigma Alpha Pi)

- Invited to join and became a full member in my freshman year
- Participated in leadership development modules and team-based activities aimed at building communication and collaboration skills.

January 2025 - Present

SKILLS

- **Glovebox Usage**
- **Laboratory Skills (Technical skills, laboratory notebooks and reports)**
- **Lab Software (OriginLab, ARBIN Battery, Gamry 600TN Potentiostat)**
- **Teamwork, Communication and Problem-Solving**