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WELCOME

Hello. I'm Aryee, a biochemistry student at Minnesota State
University Mankato. I've grown my mental, academic, extracirricular
involvement and communication skills while being a part of the
Honors program.

Mission Statement

My mission represents learning as much as I can about the world so I can apply that knowledge to research, interpersonal communication, and intercultural engagement.

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ABOUT ME

I was born in Liberia and I came to the United States when
I was around seven years old. Throughout my time in
college, I have gained far more than academic knowledge.
Being part of the honors program allowed me to make
connections with other like-minded students. I have also
learned more about my strengths and areas I want to
continue to grow in. Outside of classes, I enjoy reading,
playing soccer, and learning about computers.

CONTACT ME

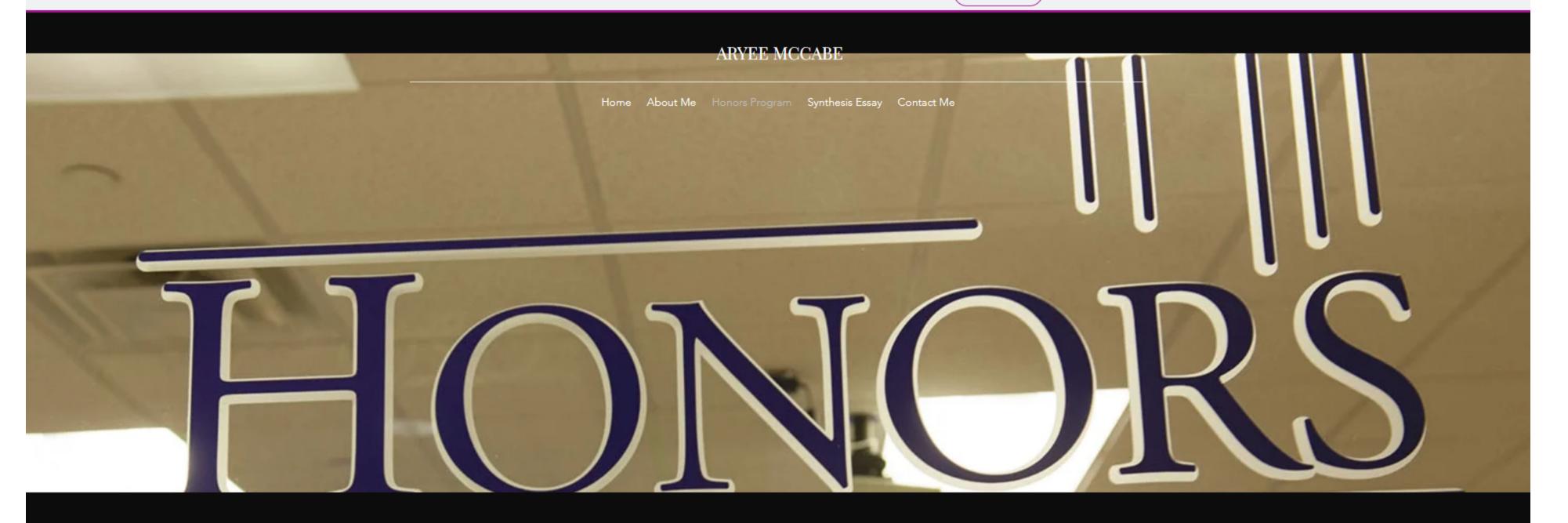


GET IN TOUCH

Interested in learning more about me? Feel free to reach out anytime, I would be more than happy to chat.

mail

Submit



HONORS PROGRAM MISSION STATEMENT

The mission of the Honors Program at Minnesota State University, Mankato is to create future leaders, researchers and global citizens by providing high ability and motivated students with exceptional learning opportunities, mentoring relationships, and a community of scholars that fosters their development as future leaders in a global society.

HONORS PROGRAM COMPETENCIES

Why Honors Essay

The Why Honors Essay explains my initial motivation for wanting to join the honors program.

Why Honors Essay

Honors Synthesis Essay

The Honors Synthesis Essay connects all the competency-related experiences I have had while in honors.

Honors Synthesis Essay

LEADERSHIP

Upon graduation, honors students will have demonstrated the ability to utilize personal leadership values and guide groups toward a common goal.

Leadership Development

Leadership Application

RESEARCH

Upon graduation, honors students will have demonstrated the ability to exhibit information literacy skills, synthesize and integrate ideas, produce original research or creative works, and contribute to knowledge.

Research Development

Research Application

Intercultural Engagement

Upon graduation, honors students will have demonstrated the ability to exhibit second language and communication competencies and exhibit cultural competency and awareness.

Intercultural Engagement Development

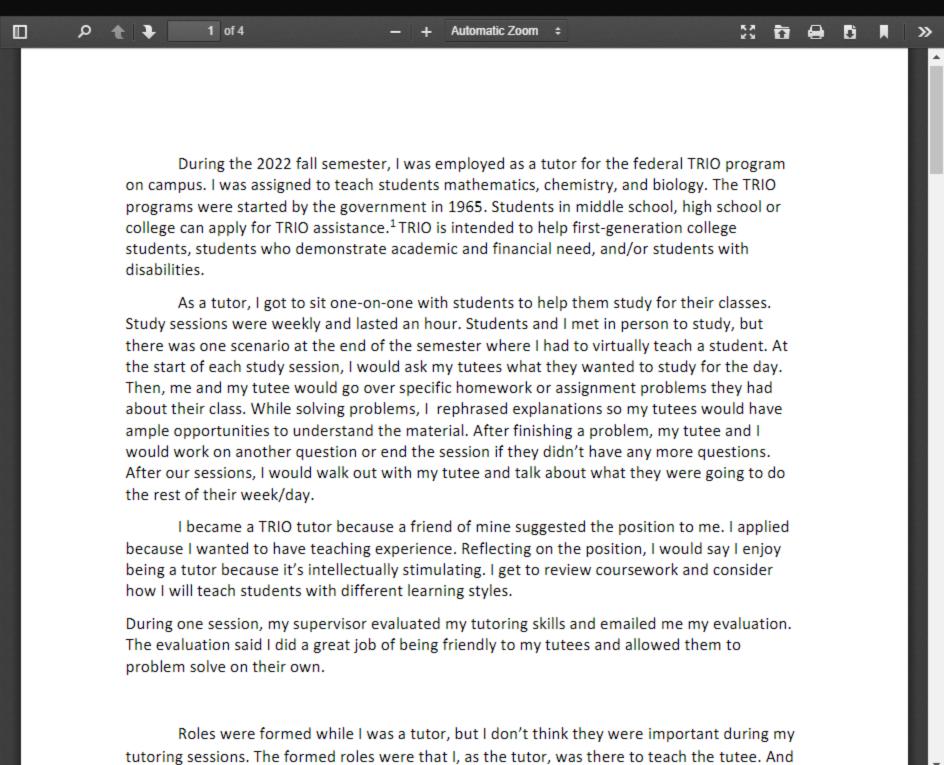
Intercultural Engagement Appilcation

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TRiO Support Services Tutor

TRiO was my first formal experience teaching students 1-on-1.

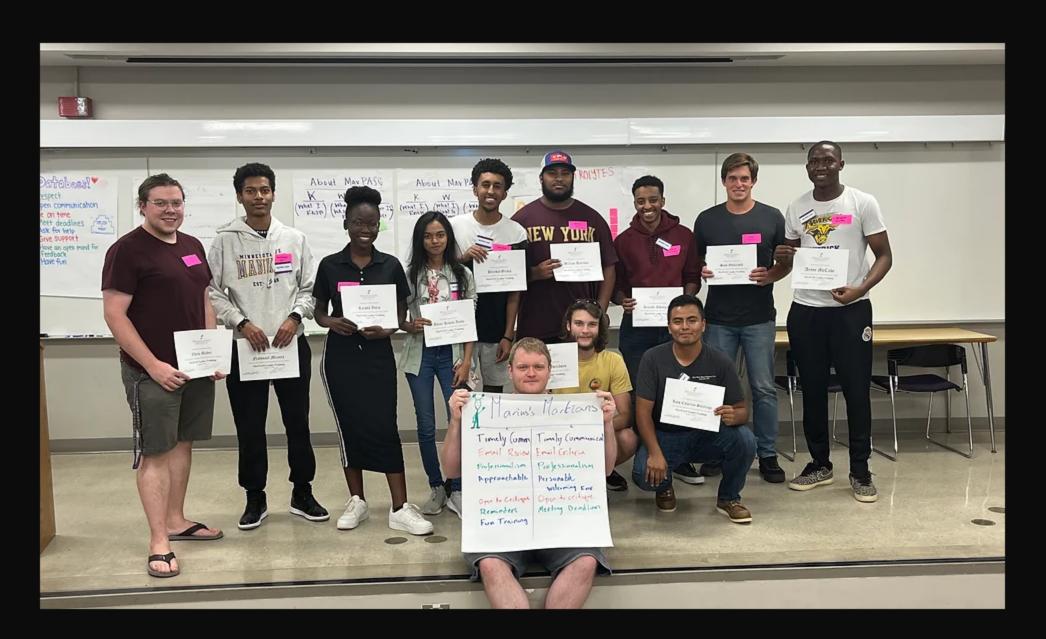


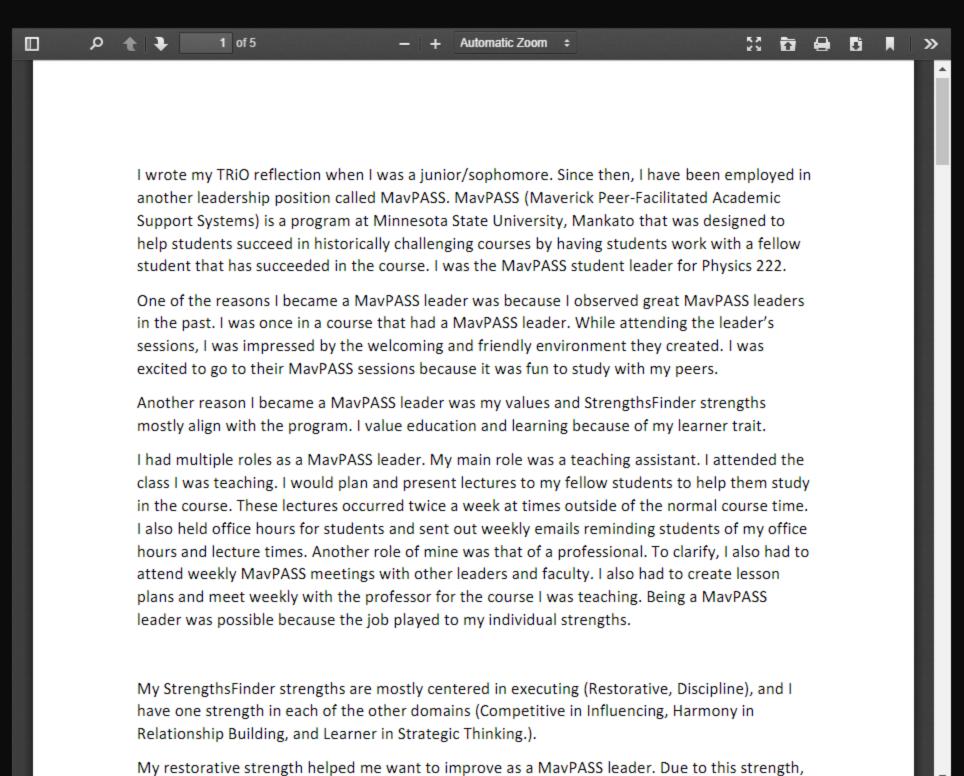


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MavPASS Teaching Assistant

My first formal experience teaching multiple students simultaneously.





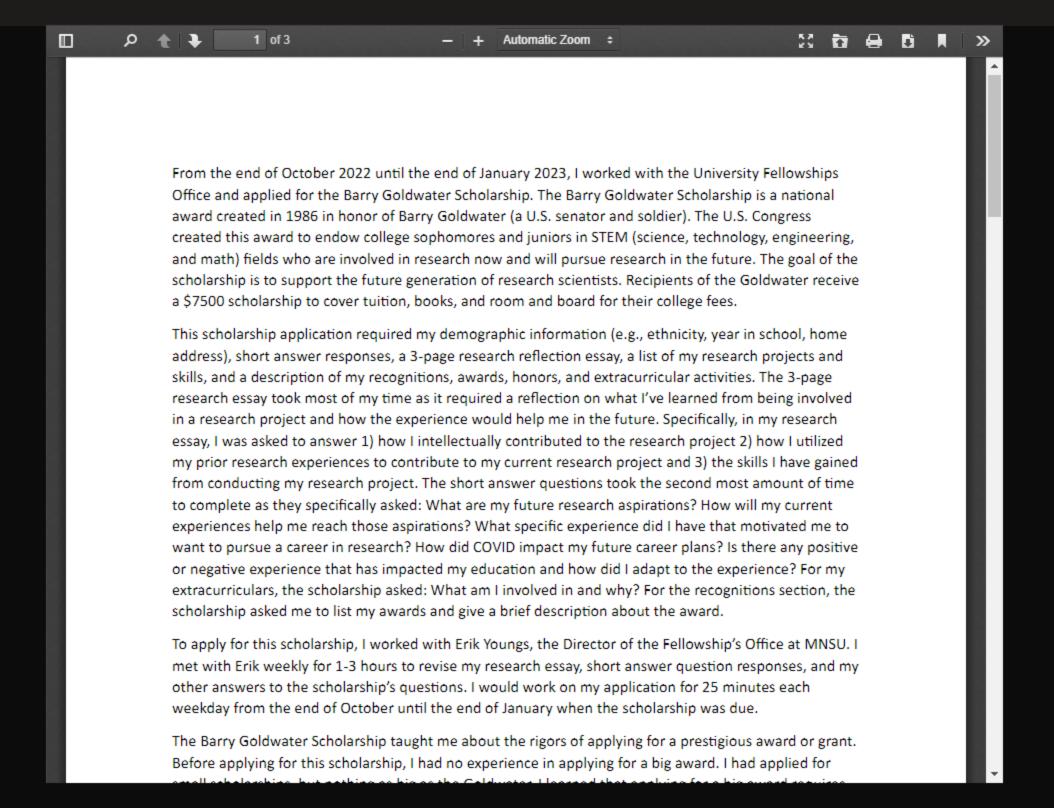
FULBRIGHT

ARYEE MCCABE

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Barry Goldwater Scholarship & Fulbright Fellowship

For my research development experience, I will reflect on applying for the Barry Goldwater Scholarship and how this prepared me to apply for the Fulbright.



January 25, 2024

Dear Aryee McCabe,

We are pleased to inform you that you have been recommended as a semi-finalist by the National Screening Committee (NSC) of the Institute of International Education (IIE) for the 2024-25 Fulbright U.S. Student Program. Your application has been forwarded to the supervising agency abroad for the next stage of the review process. In addition, your application will be forwarded to the program sponsor, the Bureau of Educational and Cultural Affairs (ECA) of the United States Department of State, for transmittal to the presidentially appointed Fulbright Foreign Scholarship Board (FFSB). The FFSB makes final decisions on Fulbright awards.

Congratulations on your success in the preliminary stages of the competition.

Sincerely,

Dan Kramer
Director, Fulbright U.S. Student Program
Institute of International Education



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Oak Tree Research

For my research application experience, I will reflect on my time conducting research with Dr. Kaproth.



Dr. Kaproth and I are studying the concentration of certain substances secreted by plants when they are in drought conditions. We meet each week to keep me accountable and working on our research project. I'm also working on completing a presentation with Dr. Kaproth and I will keep in mind that my first draft of the presentation will only get better the more I work on it and receive feedback on it. Lastly, while working with this faculty member I have continued to break my work into chunks by working on our research project for half an hour each day. Working on the research project for a little bit each day will pay off when I eventually do have to present our research. I should continue to implement the strengths I practiced will applying for the Goldwater in my current and future research projects. These strengths are consistently working on a project every day, meeting with faculty or colleagues to keep me accountable and continuing to revise and receive feedback on my work.

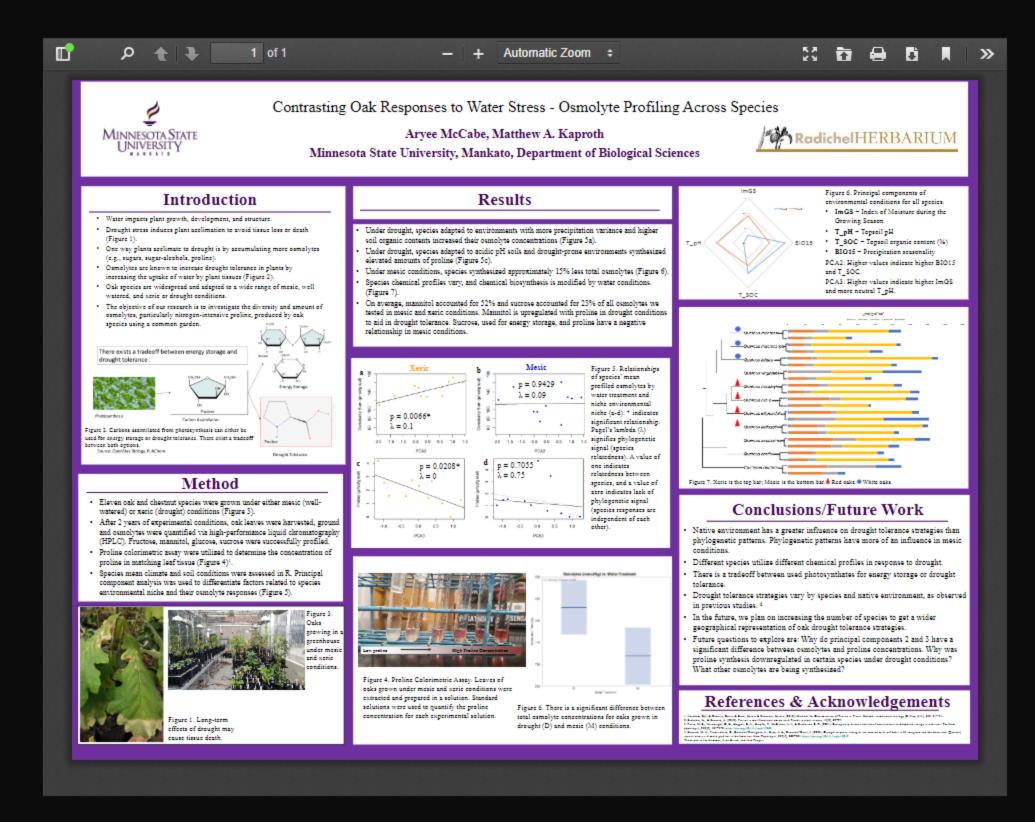
I conducted research with Dr. Kaproth for the fall 2022, spring 2023, and summer 2023 semesters. Our research focused on the production of certain chemicals (osmolytes) oak trees synthesize when they are in dry conditions. This research question mostly stems from prior research investigating the drought strategies of trees under drought. Working with this question for several semesters helped me realize a research hypothesis is malleable and changes over time.

During the fall 2022 semester, I was working in a lab with a graduate student. We would make solutions in a test tube, grind leaves from various oak trees, and use the solution we created to measure the absorbance of these solutions in a machine. This process helped us quantify the concentration of our chemical of interest (proline). The oaks were grown in the greenhouse at MNSU for 4 years prior to being experimented on. These oaks came from different states and regions in Mexico.

During the spring 2023 semester, I was performing computer analyses with Dr. Kaproth to analyse the results we had obtained from the previous semester. This type of research required the most amount of work because I wasn't just following steps anymore. I actually had to conduct statistical tests and use mathematics to interpret out results. I also did this same thing during the summer 2023 term (I analysed our results further and helped Dr. Kaproth write a manuscript.)

The way I collected data was interpreting the results we got from the machine in excel and JMP (a statistical program similar to excel)

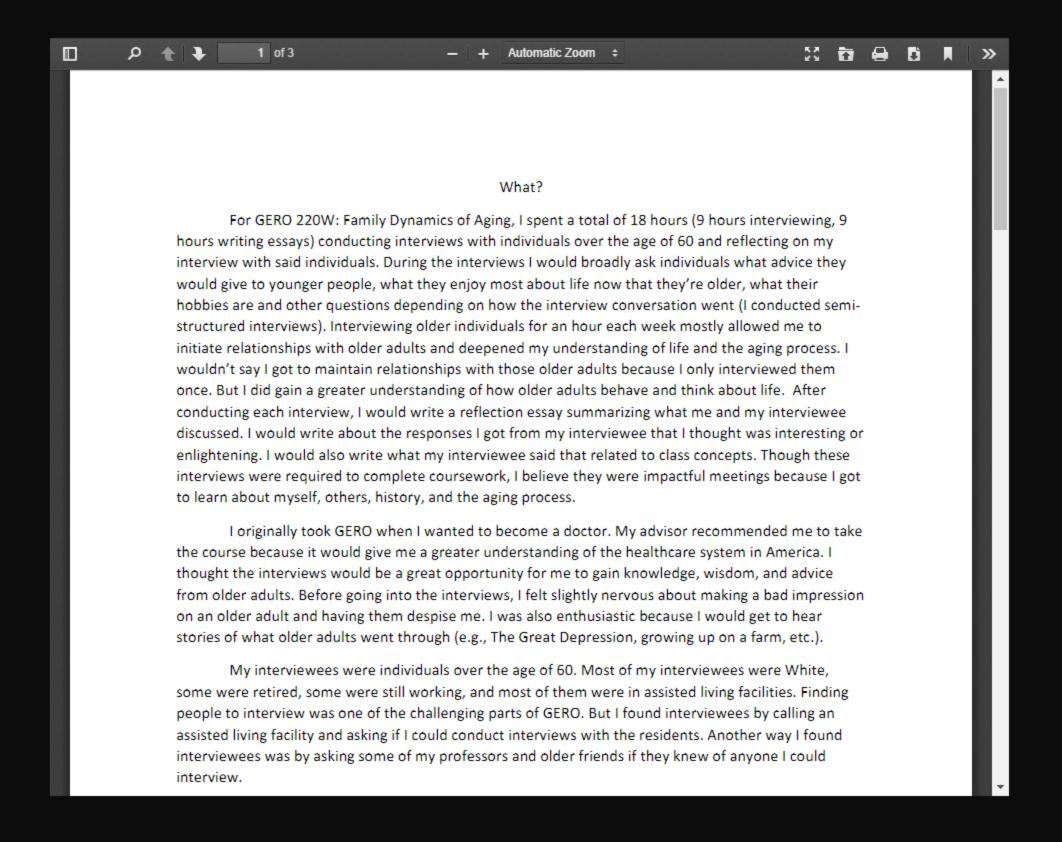
Here is our research poster.



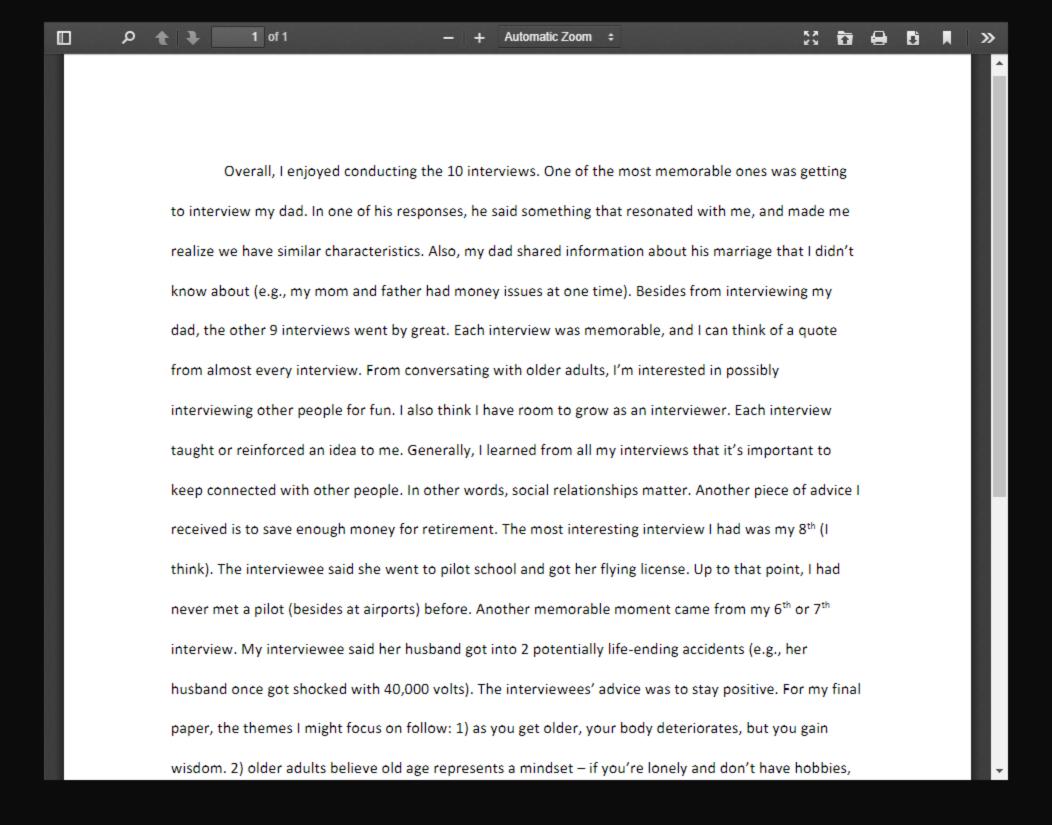
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GERO220W: Family Dynamics of Aging

My developmental intercultural engagement experience is when I took GERO 220W: Family Dynamics of Aging.



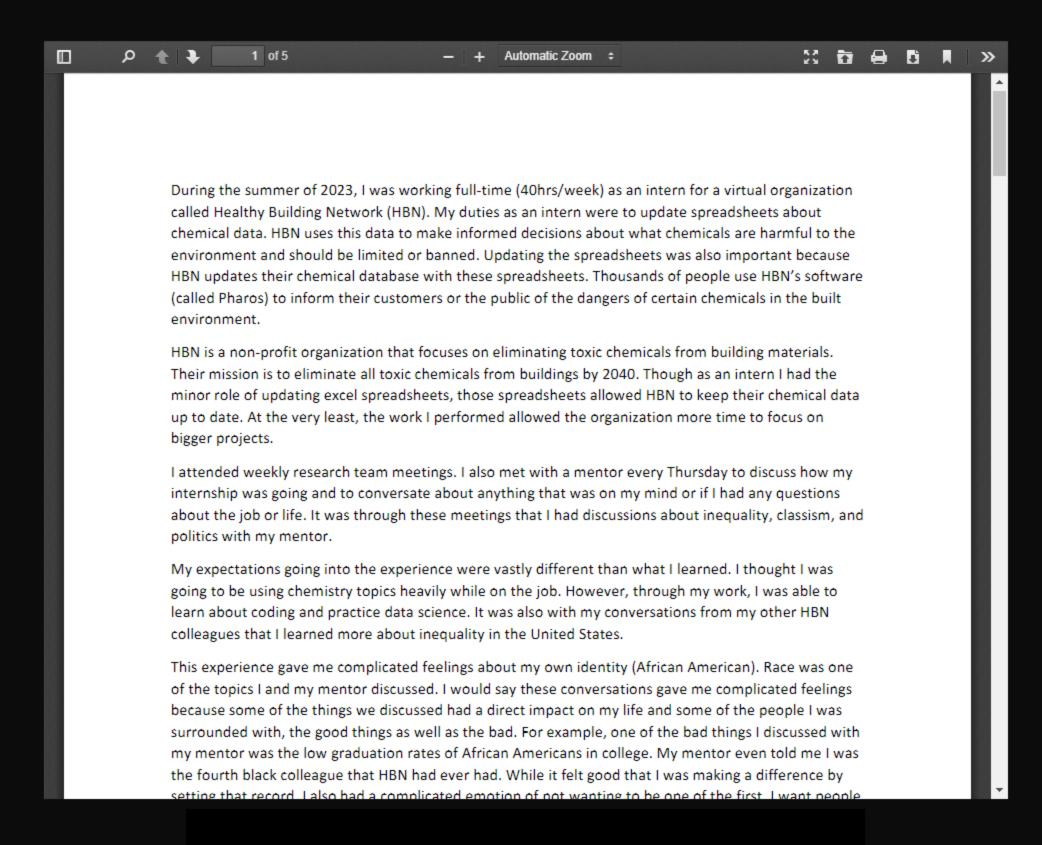
Artifact From GERO 220W

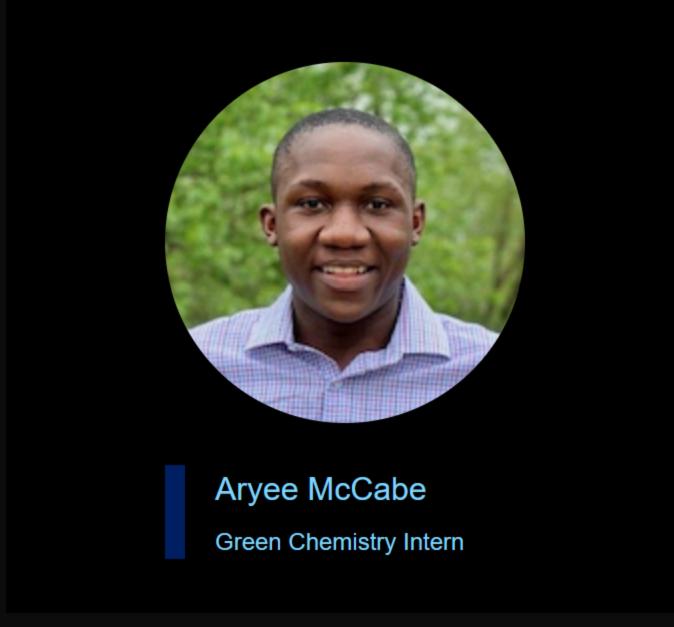


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Green Chemistry Internship

My applied intercultural engagement experience is when I worked as a green chemistry intern for a non-profit organization.





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Synthesis Essay

This essay is a cumulative reflection of my intercultural engagement, leadership, and research experiences during my time in the Honors program.



I came into college as a blank slate. That is, I was a new student, didn't know anybody, and got to decide what the next four years of my life would be like. There were certain experiences I wanted to try. There were certain things of which I was unsure. I was still in my shell, and I definitely had room for improvement. My circumstance was further compounded because I started college during the COVID-19

seemed like it would give me community and help me connect with new people.

having students work with a fellow student that has succeeded in the course.

One of my first experiences while in honors occurred during my sophomore year, when I became a **TRIO tutor**. The TRIO programs were started by the government in 1965. Students in middle school, high school or college can apply for TRIO assistance. TRIO is intended to help first-generation college students, students who demonstrate academic and financial need, and/or students with disabilities. This experience developed my teaching and leadership skills. I learned how to formulate my understanding of course material to different students who had different learning strategies. The students also taught me more about myself as I bolstered my understanding of core concepts in my major. My biggest achievement while working at TRiO is attending the end of the year dinner. At the dinner, students were recognized for excelling in their courses. I felt a great sense of pride for being able to help these students succeed in their classes (and possibly in life). Above all, TRiO gave me experience, and motivation with balancing my academic and work life. TRiO tutoring, however, was only 1-on-1, so I was inspired by others to apply to become a **MavPASS leader** as I would have to teach multiple students at once. MavPASS (Maverick Peer-Facilitated Academic Support Systems) is a program at Minnesota State

pandemic during the fall of 2020. It was difficult to socialize with new people because of the outbreak. So, during the second semester of my first year, I decided to apply to the honors program because it

Becoming a MavPASS leader further developed my leadership, teaching, and intercultural skills. I gained a further appreciation for teachers and all the effort and care they put into making sure their students succeed. My experience during MavPASS also helped me become more open and welcoming to new people. For the students to get to know me, I showed them it's okay to make mistakes and tried to be personable with them. I had to connect with students from multiple backgrounds (e.g., international students, students of different ethnicities). One of the many accomplishments I'm proud of while being a

University, Mankato that was designed to help students succeed in historically challenging courses by

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