Objective: *To use my ingenuity, voice, resources, and success to promote the advancement of STEM in underrepresented communities across the United States, Africa and Caribbean diaspora.*

Education:

Michigan State University

Pursuing PhD in Department of Chemistry. GPA: 3.2

Expected Graduation Date: 05/2022

East Lansing, MI

08/2016-present

Florida Agricultural and Mechanical University, FAMU

Bachelor of Science: Chemistry. Minor: Criminal Justice. GPA: 3.1

Tallahassee, FL

08/2011-12/2014

Florida Southwestern College, formerly Edison State College

Associates in General Studies: GPA: 3.6

Fort Myers, FL

08/2008-05/2011

Research Experience:

Michigan State University-(Current) 6th Year Graduate Student

- **Dr. Alexandra Zevalkink**

01/2020-present

Investigation of (001), (010), and (100) Surface Termination and Surface Energies of the Zintl $\text{Ca}_5\text{Ga}_2\text{Sb}_6$. In this study I utilized first principles DFT calculations to study various surface orientations and terminations as a mechanism to understand the complex and unique crystal growth morphology of 5-2-6 Zintl crystal. It is important to understand these high performing thermoelectric materials to help predict electronic and transport properties for experimental preparation.

Teaching Experience:

Michigan State University—General & Organic Chemistry Graduate Teaching Assistant

08/2016-12/2019

Leadership Experience:

National Association for the Advancement of Colored People, NAACP

04/2020-2021

- Lansing Branch Member, Diversity Inclusivity
- Elected Executive Member At-Large & Education Chair

01-05/2021

Michigan State University-All University Hearing Board (AUSB)

08/2020-present

- Members hear cases involving alleged violations in and around campus living units

Michigan State University-Virtual Conference on Thermoelectrics

07/2020 & 2021

- Committee Chair Member for National conference
- Global participants from China and Europe

Michigan State University-Empower Extraordinary Ceremony

10/2018

- Graduate Student Representative/Speaker
- [Empower Extraordinary Symposium - YouTube](#)

National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)

2014-2017

- Science Bowl Committee & Organizing Member

Awards:

Michigan State University-NSF AGEP Fellowship

01/2020-present

- Research Assistant-The goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success.

Michigan State University US-China, IRES:ASSURE

06-08/2019

- US-China International Research for Students (IRES)
- Algorithms & Software for Supercomputers with emerging architectures (ASSURE)
- **NSF Graduate Student Research Opportunities in Computational & Data Science**
- 10-week International Summer Internship @ East China Normal University in Shanghai, China