

# Janice Williams

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## EDUCATION

**Elon University**, Elon, NC May 2021  
*Bachelor of Science: Chemistry*; Minor: Business Administration GPA: 3.64  
Odyssey Scholar, Phi Lambda Upsilon National Chemistry Honor Society, Dean's List

## INSTRUMENT EXPERIENCE

FT-NMR Spectroscopy	FT-IR Spectroscopy	Gas Chromatography (GC/MS)
UV- Visible Spectroscopy	Mass Spectrometry	Ion Exchange Chromatography
Bomb Calorimetry	Titration Techniques	Electrochemical Techniques
Wet Chemistry Equipment	HPLC	Flame Atomic Absorption Methods

## CHEMISTRY RESEARCH

**Honors Thesis Research** February 2019 - Present

- Examine the general phenomenon of “Y-aromaticity”, a theoretical notion that has been a topic of debate for 30+ years
- Submit 12-page thesis proposal to Honors Program for approval on project that was written for understanding by a general audience

**Summer Undergraduate Research Experience (SURE)** June 2019 - August 2019

- Used GAUSSIAN 03 computational chemistry software to execute quantum theoretical calculations
- Presented progress in front of faculty and peers from a broad range of disciplines
- Earned stipend while working full-time on Honors Thesis research project

## TEACHING EXPERIENCE

**Elon University Chemistry Department**, Elon, NC August 2018-Present  
*Tutor*

- Tutored students in general chemistry I/II, organic chemistry I/II, and calculus I/II/III
- Employed interactive techniques in teaching and assisted with homework
- Communicated with professors to brainstorm ways to improve students' performance

*Teaching Assistant* February - December 2018

- Served as laboratory assistant in general chemistry I/II and organic chemistry I/II
- Taught students proper laboratory techniques and safety procedures
- Mixed and prepared chemicals and solutions for students

**The Village Project**, Alamance County, NC June 2020-July 2020  
*Virtual Tutor*

- Educated sophomore high-school students on the presence of systemic racism throughout American systems while challenging them to develop stronger reading comprehension and summarizing strategies with current news articles

## LEADERSHIP EXPERIENCE

**Intersect Diversity and Leadership Conference 2020**, Elon, NC March 2020 - Present  
*Education Coordinator*

- Collaborated with committee to recruit educational presenters, create schedules, and identify keynote speakers

**Black Student Union of Elon University**, Elon NC August 2018-Present  
*VP of Community Outreach and Activism*

- **Oversee Community Outreach and Activism board to help bridge the gap between Elon students and the Alamance County community**