

Therese Joffre

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OBJECTIVE:

Chemistry student specializing in interdisciplinary research in both the field and laboratory settings focusing on organic chemistry in order to drive impact in areas of pharmaceutical, defense, and chemical warfare research. Producing and investigating content relating to political science, philosophy, and journalism.

EDUCATION:

Hope College | Holland, MI

Expected Graduation: May 2024

American Chemical Society Certified Bachelor of Science in

Chemistry with an emphasis on biochemistry

Overall GPA: 3.76 | Hope College Dean's List

RESEARCH EXPERIENCE:

Student Researcher | Hope College Chemistry Department | July 2020 – Present

- Ideated and produced research within organometallics relating to carbon-carbon bond activation which enhanced research techniques and further developed the tenants of ethical and unbiased research. Practiced conveying the importance and viability of chemistry research to the general public.
- Worked two summer internship programs and spent 5 semesters cultivating this research experience with myriad of professors and research assistants to further the project and collaboration skills.
- Presented research at a myriad of places, including the American Chemical Society Fall 2022 meeting.*

Student Researcher | New York University Chemical Biology REU | June 2022 – August 2022

- Performed and learned organic research relating to reaction mechanism development in stereoselective C-C bond formation where new organic lab skills, critical thinking, and problem-solving skills were obtained. Enhanced hard and soft research skills in preparation for graduate studies.
- Collaborated across a team of graduate students and professors to complete a 10-week research program designed to further develop post-graduate study research skills.*

Research Fellow | Michigan State University | June 2019 – August 2020

- Completed two summer internships working on two different projects and collaborators.
- Analyzed data from cationic exchange resins that removed fluoride from groundwater to determine the efficiency and cost-effectiveness of multiple resins for fluoride removal. Fabricated a multitude of graphs to compare each resin for the most efficient fluoride removal.*
- Performed additive manufacturing using multiple polymers to produce scaffolds for eventual bone regeneration where mechanical testing was done to evaluate scaffolds' lateral and longitudinal compression. Resulted in awards at the 2020 Flint Regional Science and Engineering Fair and a co-author published paper at the 2020 ASEE Virtual Annual Conference.*

INVOLVEMENT:

- *The Bell Tower* | Marketing and Website Managers Fall 2022 – Present
- Ford Leadership Forum | Campus Leader Fall 2022 – Present
- Academic Success Center Tutor in chemistry/biology/anatomy Fall 2021 – Present
- *The Anchor* | Opinion Section Editor Fall 2021 – Present
- Chemistry and Anatomy Lab Teaching Assistant Spring 2021 – Present
- TEDxHopeCollege | Website Designer and Manager Fall 2020 – Spring 2022

AWARDS:

- Jaecker Chemistry Scholarship Spring 2022
- Midland Section American Chemical Society Scholarship Spring 2022
- Hope College Trustee, Heritage, and Legacy Scholarships 2020 – Present
- Donald R. Weyenberg Memorial Endowment Scholarship Fund Spring 2020

*Created posters and oral presentations that effectively communicated complex research topics that were presented to fellow peers and senior faculty