

Julia Baldwin

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SUMMARY

Chemical Engineering and Economics undergraduate passionate about using chemical engineering and economics principles to develop more sustainable food and energy production techniques. Research experience in sustainability, specifically in polymers and sustainability education, as well as excellent leadership, teamwork, and public speaking skills. Eager to be part of an organization that shares the mission of making the world a better place.

EDUCATION

University of Michigan

B.S.E. in Chemical Engineering

B.S. in Economics

Ann Arbor, MI

May 2025

GPA: 4.0/4.0

Relevant Courses: Mass and Heat Transfer, Separation Processes, Intermediate Microeconomic Theory, Fluid Mechanics, Thermodynamics, Introduction to Quantum Chemistry, Introduction to Statistics and Data Analysis, Material and Energy Balances, Introduction to Materials and Manufacturing, Introductory Biology (Molecular, Cellular, and Developmental)

Washtenaw Community College

Completed 70 credits of Engineering and Economics prerequisites

Ann Arbor, MI

Jan. 2020 – Dec. 2021

GPA: 4.0/4.0

EXPERIENCE

Center for Sustainable Systems (CSS) University of Michigan

Plastic Waste Factsheet Intern

Ann Arbor, MI

May 2022 – Aug. 2022

- Developed a plastic waste factsheet outlining patterns of use, environmental impacts, and solutions
- Created a table of plastic definitions and infographics to accompany the factsheet
- Cataloged facts using Microsoft Excel
- Used Adobe InDesign to format the final version of the factsheet

K-12 Sustainability Education Intern

May 2021 – Aug. 2021

- Researched and compiled a collection of videos, podcasts, and games/learning activities to help K–12 educators teach their students about the sustainability topics found on 15 CSS factsheets with topics ranging from Food to Autonomous Vehicles
- Provided a description, duration, and grade level rating for each educational resource
- Vetted each educational resource for content, relevance to factsheets, and engagement

COMPUTER SKILLS

Platforms: Mac OS, Windows 8

Applications: Microsoft Word, Excel, PowerPoint, ASPEN, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Inkscape and Inkstitch (coding embroidery designs), Wix and Square (website building)

Languages: Novice in C++

HONORS AND AWARDS

University of Michigan College of Engineering Dean's Honor List

Dec. 2022 – Present

Washtenaw Community College President's Honor Scholarship

Sept. 2020 – May 2022

Washtenaw Community College Dean's High Honor Roll

Dec. 2020 – Dec. 2021

ACTIVITIES

Tau Beta Pi Engineering Honors Society, *electee*

Electing to join in 2024

- Participate in service projects, develop leadership and professional skills, and connect with engineers of various disciplines.

Omega Chi Epsilon Chemical Engineering Honors Society, *electee*

Electing to join in 2024

- Collaborate with fellow Chemical Engineering students through community service and social events

Chemical Engineering Undergraduate Program Committee, *member*

Oct. 2023 – Present

- Review the University of Michigan Chemical Engineering undergraduate program and recommend improvements

Washtenaw Community College STEM Scholars, *STEM Scholar*

June 2021 – Dec. 2021

- Participated in the STEM Scholar Summer Intensive, attended weekly “lunch and learns,” and worked with STEM mentors to plan and navigate my Chemical Engineering education

OptiMize, *fellow*

June 2021

- Participated in the University of Michigan's OptiMize MoMentum Fellowship, which helped potential transfer students develop and carry out social justice projects

Marlene Inman of Academy of Vocal and Dramatic Arts, *voice student*

Sept. 2019 – Present

- Trained as a singer of classical, opera, and musical theater music

Young People's Theater, Pioneer Theater Guild, Pioneer Choir, and St. Francis Fine Arts, *performer*

Sept. 2011 – Mar. 2020

- Performed in many theater and choral productions through which I developed leadership, teamwork, and public speaking skills