

## EDUCATION

### University of Michigan

*Bachelor of Science in Engineering in Biomedical Engineering, minor in Sociology of Health and Medicine*  
College of Engineering Honors Program 2023-present, LSA Honors Program 2021-22  
GPA: 3.923/ 4.00; *James B. Angell Scholar, Dean's List, University Honors*

**Ann Arbor, MI**

*April 2025*

## RESEARCH EXPERIENCE

### University of Michigan

*Undergraduate Research Assistant – Giles Lab at the School of Kinesiology (CaRSIP Program)*

**Ann Arbor, MI**

*May 2023 - Present*

- Isolated and determined concentrations of RNA and protein from rat spinal cord samples to run Western Blots (JESS).
- Performed H&E stains on liver tissue samples to determine drug efficacy on adipose tissue and fat cell concentration in rats.
- Presented research on obesity and postmenopausal breast cancer at the Rogel Cancer Center's CaRSIP summer symposium.
- Conducted Folch Lipid extraction to determine hepatic lipid concentrations.
- Immunohistochemistry (IHC) and antibody optimization workup on rat livers. Designed antibody testing protocol and optimization on protein samples.

*Undergraduate Research Assistant – Coronel Lab at the Caswell Diabetes Institute*

*September 2022 – May 2023*

- Conducted Hematoxylin and Eosin (H&E) stains, prepared agarose gels, synthesized PEG-NB bulk hydrogels, and created PDMS molds independently. Managed a line of RAW 264.7 cells by splitting and feeding regularly.
- Created a standardized QC chart for microwave tissue processing, Excel sheet for mouse care and treatment.

## WORK EXPERIENCE

### The Michigan Daily

*Daily Sports Writer*

**Ann Arbor, MI**

*February 2022 - Present*

- Write articles for University of Michigan sporting events; conduct interviews, research opposing teams and individual student-athletes to write non-event feature and midweek stories. Selected as a Beat Writer covering the women's basketball team.

### Sony Pictures

*Baseball Coordinator*

**Culver City, CA**

*June 2021*

- Coached actors on the A League of Their Own television show to develop baseball skills and facilitate improved fitness.
- Collaborated with other coordinators to design baseball game and practice sequences as they would appear on screen.

## PROJECT EXPERIENCE

### University of Michigan

*Elevator Project*

**Ann Arbor, MI**

*March 2022 – April 2022*

- Collaborated on a team to design an elevator simulator game with artificial intelligence to play the game.
- Developed an algorithm using C++ to run the game in a specific manner that succeeded when tested with multiple game type inputs.

*Synthesis of a Natural Product*

*January 2022 – April 2022*

- Collaborated on a team to design a lab protocol for the synthesis of vanillin within time and budgetary constraints.
- Presented final protocol to graduate student instructors; facilitated transition to the protocol.

## SKILLS

*Computer Skills:* Excel, C++, MATLAB, ImageJ

*Certifications:* Cytek Northern Lights flow cytometry, Chemical Lab Safety, Biological Safety Level-2, Bloodborne Pathogen, CPR

## LEADERSHIP EXPERIENCE

### Michigan Club Softball

*Vice President*

**Ann Arbor, MI**

*September 2021 - Present*

- Book hotel reservations, organize carpools, and submit travel requests. Collaborate in a group to create practice plans.

*Fundraising Chair*

*September 2021 – Present*

- Organize Giving Blue Day and other fundraising initiatives to create a no-cost, accessible playing environment for team members.

## ACTIVITIES

*Women in Science and Engineering, Community Member*

*June 2021 – Present*

*Society of Women Engineers, Member*

*August 2022 – Present*

*USA Baseball, Prospect*

*April 2017 – Present*

*University of Michigan Hospital CS Mott Inpatient PT/OT Clinic, Volunteer*

*September 2023 – Present*