

# Lauren Sapienza

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## SKILLS

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Python programming | R programming | Geographic Information Systems (GIS) | Data Analysis and Visualization

## EXPERIENCE

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### Processing Facility Technologist

Cleveland Cord Blood Center

March 2024 – December 2024, Cleveland, OH

- Accepted 25+ cord blood units per day for screening and research.
- Processed 1-4 cord blood units per day into licensed Human Progenitor Cell units for distribution and transplants in patients.
- Manually isolated CD34 positive cells from cord blood units using equipment such as pipettes, centrifuges, hematology analyzers, and flow cytometers.
- Performed tasks in a biological safety cabinet and clean room using proper aseptic technique.

### Laboratory Technician IV

Cleveland Clinic

October 2023 – February 2024, Cleveland, OH

- Accepted 100+ donor blood units per day into laboratory information system.
- Received 50+ patient samples per day, inspecting samples for viability and entering information using Epic.
- Tested patient samples manually and on analyzers for blood types, antibody screens, and other high complexity tests.

### Camp Counselor

Oglebay Institute – Junior Nature Camp

July 2019 – July 2022, Wheeling, WV

- Supervised 15+ campers, ages 10-15, during outdoor activities for 2 weeks of the summer.
- Guided 2-3 counselors in training per summer through daily routines and procedures to help them develop leadership abilities.
- Created and lead educational sessions about nature and the environment.

### Barista

Starbucks

May 2022 – September 2022, Strongsville, OH

- Served 40+ specialty coffee drinks an hour to customers.
- Operated point of sale system quickly and efficiently in fast paced environment.
- Maintained a clean workspace and neat displays of products and promotions, following company hygiene standards.

### Biology Inclusion Intern

University of Dayton

January 2021 – May 2022, Dayton, OH

- Acted as a liaison between biology students and the Department of Biology's Justice, Equity, Diversity, and Inclusion committee.
- Attended monthly meetings with committee members and provided input on department policies.
- Developed peer mentorship program for biology students, managing 20+ student applications to appropriately match peers.

### Student IT Helpdesk Technician

University of Dayton Research Institute

May 2021 – February 2022, Dayton, OH

- Assisted researchers with hardware and software problems at 3 different office locations.
- Setup 100+ new and used computers with the appropriate settings according to company standards.
- Answered calls and emails in a professional and quick manner.

## EDUCATION

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### Master of Science in Biomedical and Health Informatics

Case Western Reserve University • Cleveland • 2025

- Assisted Dr. Mendel Singer with data entry tasks as a contract employee, accurately documenting work hours.

### Bachelor of Science in Biology

Minor in Psychology • University of Dayton • Dayton • 2023

- Dean's Summer Fellowship (2021): Worked in Dr. Mrigendra Rajput's lab performing research on host and RNA virus interaction.

## INVOLVEMENT

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### River Stewards

University of Dayton • Rivers Institute • May 2020 – May 2023

- Contributed 30 hours of service per semester focused on environmental justice.
- Learned about river stewardship and ecological problems surrounding rivers.
- Volunteered at the Dakota Center to revitalize their outdoor spaces and teach students about sustainability.
- Presented on 3 years of community service at the Stander Academic Symposium at the University of Dayton.

### HELP Program Volunteer

Miami Valley Hospital • July 2021 – December 2021

- Assisted 4+ elderly patients per day with activities and exercises to keep them physically and mentally strong during hospitalization.
- Learned how to check for signs of delirium in patients, reporting any abnormal results to nurses.
- Maintained a record of patient test results and symptoms of delirium to analyze changes over time.

### Study Abroad

University of Dayton • University of Dayton • September 2022 – March 2023

- Spent 4 months in Maynooth, Ireland, taking a full range of biology and psychology classes.
- Spent a spring break in Puerto Rico to learn about the social, political, and environmental problems facing Puerto Rico and help with service projects.
- Coordinated plans for travelling internationally, maintaining an appropriate schedule.