

Lauren Sapienza

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Relevant Experience

Processing Facility Technologist

Cleveland Cord Blood Center | 2024

- Accept and process cord blood units into licensed HPC, cord blood units for distribution for transplants in patients, or for clinical and non-clinical research.
- Manually isolate CD34 positive cells from cord blood units using laboratory equipment such as pipettes, centrifuges, biological safety cabinets, and analyzers including hematology analyzers and flow cytometers.
- Perform tasks in a biological safety cabinet using proper aseptic technique, and correctly don and doff personal protective equipment to enter clean room
- Collaborate with quality department, hospital liaisons, and other technologists to meet production goals.

Laboratory Technician IV

Cleveland Clinic | 2023-2024

- Receive donor blood units and patient samples into laboratory information system, inspecting samples for viability.
- Issue different blood products to hospital floors and operating rooms, ensuring all patient needs are met.
- Test patient samples manually and on machines for blood types, antibody screens, and other high complexity testing.

Biology Inclusion Intern

University of Dayton | 2021-2022

- Acted as a liaison between biology students and the Department of Biology's JEDI (justice, equity, diversity, and inclusion) committee
- Developed peer mentorship program for biology students

Miami Valley Hospital Volunteering

Dayton, OH | 2021

- Worked directly with elderly patients to keep them physically and mentally strong during hospitalization
- Learned about and checked for signs of delirium in patients

Dean's Summer Fellowship

University of Dayton | 2021

- Worked in Dr. Mrigendra Rajput's lab doing research on host and RNA virus interaction and the development of targeted therapies
- Received a stipend from the University of Dayton for research

Student IT Helpdesk Technician

University of Dayton Research Institute | 2021-2022

- Assist researchers with hardware and software problems
- Create new PC builds for new and used computers
- Answer calls and emails in a professional and quick manner

Education

Master of Science | Jan 2025 - Present

Case Western Reserve University

- Major: Biomedical and Health Informatics

Bachelor of Science | May 2023

University of Dayton

- Major: Biology, Minor: Psychology
- GPA: 3.6

Volunteer Activities

River Stewards

University of Dayton | 2020-2023

- Contributed 30 hours of service per semester focused on environmental justice
- Learned about river stewardship and ecological problems surrounding rivers
- Worked with community partners to address concerns of the people of Dayton
- Presented on three years of community work at the Stander Academic Symposium at the University of Dayton

Dakota Center

Dayton, OH | 2022-2023

- Assisted the Dakota community center in revitalizing their outdoor spaces
- Worked directly with students to teach them about sustainability and how they can apply it to their lives

International Experiences

Cultural Immersion | Puerto Rico

University of Dayton | 2023

- Learned about the cultural, political, and environmental problems facing Puerto Rico and reflected on them with peers
- Helped recover books from an abandoned library to give to local students

Study Abroad | Maynooth University

Maynooth, Ireland | 2022

- Took a full range of classes in biology and psychology for a semester
- Participated in post-trip discussions to reflect on trip spent abroad

Other Experience

Camp Counselor

Oglebay Institute – Junior Nature Camp | Summer 2019, 2021, 2022

- Supervised and helped campers to complete projects and activities
- Created and lead educational sessions about animals and the environment

Barista

Starbucks | Summer 2022

- Made and served specialty coffee drinks in a timely manner to customers
- Cleaned preparation area daily to maintain hygiene standards