

Lucy Shettel

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EDUCATION

Temple University, College of Science & Technology, Philadelphia, PA

Bachelor of Science

Expected Graduation: December 2023

Biology

Computer Programming Certificate; Genomic Medicine Certificate

GPA: 3.76; Temple University Honors Program; Dean's List Fall 2020, Spring 2021, Spring 2023

Study Abroad student at Temple Rome Summer 2021

Temple University, College of Science & Technology, Philadelphia, PA

4+1 Accelerated Professional Science Masters, Bioinformatics

Expected Graduation: December 2024

RESEARCH EXPERIENCE

Undergraduate Research Assistant, Temple University

May 2023-Present

Institute for Computational Molecular Science

Advisor: Dr. Vincenzo Carnevale

- Use Python and Linux to develop algorithms for the manipulation of protein multiple sequence alignments and computational evaluation of data.
- Apply deep learning methodologies such as linear and variational autoencoders to comprehensively assess the data's sample space.
- Acquire hands-on experience in High Performance Computing (HPC) and Shell scripting for advanced data evaluation.
- Presented research findings of "Effect of Epistasis on Phylogenetic Tree Shape" at the 2023 MidAtlantic Bioinformatics Conference, co-authored with Mina Mahboubi, Alessandra Lamarca, Sudhir Kumar, and Vincenzo Carnevale

WORK EXPERIENCE

College of Science & Technology, Temple University — *Student Ambassador*

August 2022-Present

- Present daily information sessions to prospective students and family members to increase enrollment.
- Assist in executing monthly on-campus open house events for 200-500 prospective students and families.
- Participate in student panels to provide students and families with information regarding programs and resources in the College of Science and Technology at Temple University.

Resnick Center, Temple University — *Tutor*

October 2021-December 2022

- Tutor undergraduate students in Biology and Programming in C by reviewing class notes and homework exercises.
- Compose organized, detailed records of tutoring sessions to track progress towards student's goals.
- Conduct knowledge in a professional manner when reviewing class material and coaching study skills.
- Manage time for the sessions by completing the session within 1 hour.

PROFESSIONAL MEMBERSHIPS

Delta Zeta Sorority — *Programming Chair: Fall 2021 & Spring 2022, Member: March 2021-Present*

Bioinformatics Studio — *Member, August 2022 - Present*

The Women's Network — *Member, October 2021-Present*