

Jayanna Lorentzos

jmlorent@asu.edu
jaylorentzos@gmail.com

Education

Admitted to begin Master of Science in Regulatory Science at ASU's Edson College of Nursing and Health Innovation, Spring 2026

Arizona State University, Tempe, AZ— *Bachelor of Science in Biological Anthropology*

Graduated May 2025, Summa Cum Laude

SUNY Westchester, Valhalla, NY— *Associate of Arts in Social Science (Anthropology Focus)*

Graduated May 2021

Summa Cum Laude, President's List

Professional Organizations

American Association for the Advancement of Science (AAAS), Member (2025 – Present)

Undergraduate Anthropology Association, Arizona State University (2023 – 2025)

Phi Theta Kappa Honor Society (2020 – Present)

Model United Nations Club President, EWSIS (2016 – 2019)

BUILT BY GIRLS Wave Program, Original Member, (2017 – 2018)

Certifications & Research Training

CITI Program Certification — *Human Research (IRB – Social & Behavioral Research, Basic Course)*, Completed 2024

UNDERGRADUATE BIOLOGY EDUCATION RESEARCH — *Arizona State University*, August 2024 – Present

Participating in an online course-based undergraduate research experience

SKILLS

Research Design & Data Collection

R ; SPSS (statistical analysis & data visualization)

Lesson Planning & Curriculum Development

Proficient in Microsoft Office & Google Workspace

STEM Tutoring & Education

Team Leadership & Project Management

Public Speaking & Conference Presentation

Scientific Writing & Manuscript Preparation

3D Slicer (image segmentation & visualization)

Honors & Awards

Dean's List of Outstanding Scholars, Arizona State University

Academic Excellence Award, SUNY Westchester

Phi Theta Kappa Honor Society Scholarship, Hunter College

Research presented at the 2021 ABRCMS conference

President's List, SUNY Westchester

(oCURE) focused on undergraduate biology education research, developing research questions, data collection, and analysis, and preparing publications.

Research Experience

Research Assistant (Parasitology Lab), Bridges Research Program, SUNY Research Foundation

March 2021 – August 2021

- Conducted experiments on parasitic behavior within Physa snails, investigating evolutionary relationships, life histories, and interactions between hosts and parasites.
- Nominated and selected to present research at the 2021 Annual Biomedical Research Conference for Minority Students (ABRCMS).
- Assisted in data collection and statistical analysis using software such as Geneious Prime and R, contributing to the final presentation of the team's findings.

Undergraduate Researcher (Bio Education Research), Arizona State University

August 2024 – December 2024

- Designed and executed a mixed-methods research study on mental health in STEM education.
- Investigated how group work in active-learning science courses affects symptoms of anxiety across different student demographics.
- Analyzed qualitative and quantitative survey data; contributed to manuscript preparation for peer-reviewed publication.

LifeArc Life Sciences: Biology Research Job Simulation on Forage

April 2025

- Completed a job simulation involving optimizing experimental conditions for
- LifeArc's Biology Research team.
- Analyzed the differentiation protocol for optimization needs.
- Reviewed and compared experimental results.
- Populated presentation slides with data and conclusions.

Undergraduate Researcher (Biodiversity Project), Arizona State University

January 2025 – May 2025

- Completed an original semester-long research project analyzing biodiversity using data from MorphoSource, 3D Slicer, and R.
- Collected and analyzed limb length data from multiple Sceloporus lizard species and frog species.

- Collaborated with classmates to build a shared dataset, then conducted an individual project comparing relative limb lengths and habitat use across taxa.
- Prepared and presented findings in both short-form (<3 min) and long-form (>10 min) oral presentations.

Professional Experience

Private Tutor, New York, NY

January 2022 - Present

- Provide one-on-one STEM tutoring to middle and high school students, improving their math, biology, physics, and chemistry performance.
- Develop personalized lesson plans and practice tests to reinforce learning, boosting student grades by 20% on average.
- Collaborate with parents and teachers to monitor student progress and adjust learning strategies.

Nanny, Bronx, NY

January 2022 - Present

- Managed day-to-day caregiving activities, including meal preparation, homework help, and scheduling.
- Fostered a positive, supportive environment, supporting child development through engaging in educational activities.

General Merchandise Expert & Stationery Specialist, Target, White Plains, NY

September 2019 - January 2020

- Managed inventory for general merchandise and stationery departments, ensuring product availability and proper display.
- Assisted up to 100 customers per shift, providing excellent customer service and product knowledge.
- Trained new employees on store policies and customer service protocols.

Volunteer Work & Leadership Roles

STEM Professional Mentor, Letters to a Pre-Scientist - LPS

August 2024 - Present

- Engage with students through snail mail to broaden their understanding of STEM careers and inspire interest in future STEM opportunities.
- Serve as a mentor, offering real-world insights into the life of a STEM professional.

Coordinator & Team Leader, SUNY Westchester

January 2021 - April 2021

- Led a team of student volunteers on community service projects focused on environmental sustainability and social justice initiatives.
- Facilitated team discussions and coordinated logistics for a successful service experience.

Student Volunteer, SUNY Westchester

January 2020 - March 2020

Participated in various community service projects, including river clean-ups and youth education programs.

Student Chaperone & Assistant (Middle School Clubs), East-West School of International Studies, Queens, NY

2016-2018

- Supported middle school club leaders with event coordination and student engagement.
- Attended field trips as a high school chaperone.
- Organized academic competitions and team-building activities, enhancing student involvement.