

BRYAN ARMPRIEST | CV

Candidate for BA in Biology, Researcher

📍 3727 Beeman Hollow Road, Addison, NY, 14801

💬 he/him

☎ +1 607 590 5388

✉ barmprrie@gmail.com

About Me

I am a passionate undergraduate researcher with experience in education, molecular biology, and acoustic ecology. I am looking to expand my education and research activities through graduate work in Bioinformatics. I've excelled in rigorous and demanding courses, and have even been involved in numerous tutoring roles for these challenging courses.

Education

Bachelor of Arts in Biology, GPA: 3.97 - SUNY Geneseo, Geneseo, New York 2023-2025

Associate of Science, GPA: 3.98 - SUNY Corning Community College 2021-2023

Research

Research in Acoustic Ecology (September 2023 to Present)

Mentor: *Dr. Kristina Hannam, Associate Professor, SUNY Geneseo*

Can You Hear Me Now? Comparing Acoustic Niches of Cricket Species at Two Geneseo Field Sites.

Quantitatively analyzed sound files (for frequency across time) at a local site in Geneseo (Island Preserve) and used Raven and R to come to conclusive results about the temporal and frequential partitioning of three native cricket communities.

An Ear To The Water: An Investigation of a Western New York Pond Soundscape. Smaller freshwater ponds are understudied habitats, especially in the field of acoustics. We calculated two acoustic indices for different sound files in a local freshwater pond to determine the diversity and complexity of various populations in this location. This involved learning a new package in R and readily applying it to our set of research questions.

Research products:

Bryan Armpriest, Katelyn Stancliffe, Anna Tessier, Maya Tucci, Kristina Hannam. “An Ear To The Water: An Investigation of a Western New York Pond Soundscape”. Poster presentation at Rochester Academy of Science 50th Annual Paper Session (SUNY Brockport, Brockport). November 16, 2024.

Sophia Macaluso, **Bryan Armpriest**, Katelyn Stancliffe, and Dr. Kristina Hannam. “Can You Hear Me Now? Comparing Acoustic Niches of Cricket Species at Two Geneseo Field Sites”. Poster presentation at Geneseo Recognizing Excellence, Achievement & Talent (GREAT) Day (SUNY Geneseo, Geneseo). April 24, 2024.

Émilie Fallows, Sophia Macaluso, **Bryan Armpriest**, and Dr. Kristina Hannam. “Local Grassland Crickets Use Acoustic Partitioning to Avoid Call Competition”. Poster presentation at Rochester Academy of Science 49th Annual Paper Session (Rochester Institute of Technology, Rochester). November 4, 2023.

Research in Molecular Biology Education (June 2023 to August 2023)

Mentors: *L. Kate Wright (Professor, Rochester Institute of Technology) and Dina L. Newman (Professor, Rochester Institute of Technology)*

Exploring student conceptions of ATP Hydrolysis. Designed semi-structured interviews around ATP Hydrolysis, and probed for understanding and conflicting information regarding this topic. I was heavily involved in the data collection and analysis portions of this project, using a combination of R and Excel to help generate comprehensive results.

Research products:

Yang, Mingyu, **Armpriest, Bryan C.**, Wright, L. Kate, Newman, Dina L. Visual representations of energy and chemical bonding in biology and chemistry textbooks: a case study of ATP hydrolysis (2024). *Biochemistry and Molecular Biology Education. In review.*

Bryan Armpriest, Mingyu Yang, L. Kate Wright, Dina L. Newman. “Exploring student conceptions of ATP Hydrolysis”. Poster presentation at the Rochester Institute of Technology Undergraduate Research Symposium (Rochester Institute of Technology). August 3, 2023.

Teaching Experience

Teacher’s Assistant for Introductory Biostatistics - SUNY Geneseo

September 2024 - December 2024

Substitute Teacher, Administrative Assistant - Campbell-Savona Jr./Sr. High School

May 2024 - June 2024

General Biology Tutor - SUNY Geneseo

September 2023- May 2024

Biology, Chemistry, and American Sign Language Tutor - SUNY Corning Community College

November 2022 - May 2023

Other Work Experience

Fitness Center Associate - SUNY Corning Community College

September 2021 - May 2023

Awards

SUNY Geneseo - Spring/Fall President's List

2024

SUNY Geneseo - Fall 2023 Dean's List

2023

State University of New York - Chancellor's Award for Student Excellence

2023

SUNY Corning Community College - Thomas A. McGrath Award for Excellence in Science

2023

SUNY Corning Community College - American Chemical Society Award

2023

Volunteer Activities

SUNY Geneseo Club Men's Ultimate Frisbee

Fall 2024-present

STLS Library Volunteer

June - August 2022

Extracurricular Activities

SUNY Geneseo Club Men's Ultimate Frisbee

Fall 2024-present

SUNY Geneseo American Sign Language Club

Spring 2022-Spring 2023

Corning Community College Men's Cross Country

Fall 2021-Fall 2022