

Natalie Kam

Bethlehem, 18015 • (646)-853-6331 • nak327@lehigh.edu • www.linkedin.com/in/natalie-kam-b04254233

EDUCATION

Lehigh University, Bethlehem, Pennsylvania

Graduation: May 2027

Bachelor of Science Biostatistics and Health Data Science

GPA: 3.87

Minors: Biology

Honors: College of Health Dean's Scholarship, Dean's List

Related Coursework: Molecular Biology, Integrative and Comparative Biology, Organic Chemistry, Population Health, Community Health, General Chemistry, Python, Biostatistics, Biological Determinants of Health, Epidemiology

RESEARCH EXPERIENCE

Undergraduate Student Researcher

Oct 2024 - Present

Computational Uncertainty Lab, Lehigh University

- Develop a user-friendly website to visualize hospital admission and influenza data by state, enhancing accessibility and understanding of healthcare trends.
- Model influenza outbreak patterns, enabling more efficient analysis and visualisation of trends and impacts to support data-driven decision-making.

Global Social Impact Fellow

Jan 2024 - Present

AI Strengthening Healthcare Access, Makeni, Sierra Leone

- Design and develop the AISHA platform, including technology, integration, and coding
- Conduct needs assessments and stakeholder consultations to tailor educational content and resources
- Establish partnerships with Sierra Leone healthcare organizations, government agencies, and NGOs to support expansion and sustainability.
- Implement and evaluate three pilot programs across Makeni's healthcare facilities.

Undergraduate Student Researcher

Jan 2024 - Dec 2024

SEA-Phages Program, Lehigh University

- Applied microbiological techniques to identify novel bacteriophages.
- Collaborated with a team of ~15 researchers to contribute data and findings to a national phage database for further scientific research.
- Conducted genomic analysis using bioinformatics tools to annotate and analyze phage DNA sequences.

RELATED EXPERIENCE

Member

Sep 2024 - Present

Sustainable Development Progress Committee, Bethlehem, Pennsylvania

- Drove initiatives to advance SDG 3- Good Health and Well-being, SDG 10- Reduced Inequalities and SDG 11-Sustainable cities and communities within Bethlehem and the Lehigh Valley region.
- Partnered with local organizations to create collaborative events and outreach programs, enhancing community understanding and support for sustainable development goals.

VOLUNTEER

Hospital Volunteer

Oct 2024 - Present

St Luke's University Health Network, Bethlehem Campus

- Serve as the first point of contact for patients and visitors, providing a welcoming experience.
- Address patient inquiries and verify information to ensure a smooth check-in process.
- Maintain cleanliness and organization in the MRI lab, stocking necessary supplies

CAMPUS INVOLVEMENT

Co-President | Lehigh University Tea Club

Aug 2024 - Present

Member | Lehigh University International Student Advisory Board

Aug 2024 - Present

Social Media Director | College of Health Student Advisory Council

Aug 2024 - May 2025

Explorer | Lehigh University Emergency Medical Services

Apr 2024 - Present

TECHNICAL SKILLS or LANGUAGE PROFICIENCY

Language proficiency: English (Native Proficiency), Mandarin (Native Proficiency), Cantonese (Native Proficiency)

Technical skills: Python, Java, R, AWS, Git, Microsoft Suite