

Natalie Lin

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Detail-oriented student leader who is compassionate and motivated to promote equity in pediatric infectious disease rheumatology through research and medicine.

Education

University of North Carolina at Chapel Hill | GPA: 4.0.....May 2028

B.S. Mathematics & B.A. Intended Interdisciplinary Studies (Concentration: Biomechanics in Society)

Honors Thesis (intended): Vibrational Rehabilitation Therapy for Females After ACL Reconstruction

Honors Carolina: Highly selective academic program admitting 10% of each incoming class

Research and Teaching Experience

Perera Lab at Colorado State University, Researcher.....Aug 2023 - Aug 2024

- Learned and applied knowledge of various laboratory procedures to design experiments
- Analyzed data to understand the relationship between triglycerides and the virus life cycle

Poudre School District Future Ready Tutoring, Co-founder.....Jun 2023 - Jul 2024

- Launched and ran the first free school and SAT tutoring program for youth in the district
- Communicated with and managed 16 ambassadors from various schools across the district

Leadership/Volunteer Experience

Made4Me, Member.....Feb 2025 - Present

- Designed a financially effective standing frame made of cardboard for pediatric paralysis patients

Magic of Science, Community Engagement Board Member.....Aug 2024 - Present

- Presented science experiments to pediatric patients in hospitals and other in-need backgrounds each month

Larimer County Department of Health and Environment, Youth Engagement Specialist.....Jul 2023 - Aug 2024

- Surveyed over 500 youth participants on how a teen center could best support their needs and mental health
- Established a Teen Activity Center, with over 1000 youth visits in the first year, to aid youth mental health
- Communicated with community stakeholders and promoted public relations

Publications and Presentations

Lin, N., Ducharme, Z., Morales-Flores, K., & Murphy, M. (2023, September 22). *Centering youth voice to create safe spaces* [Conference presentation]. Public Health in the Rockies Conference, Keystone, CO, United States.

Skills

- Wet Laboratory: qRT-PCR, positive and negative RNA extraction, western blot, cell culture, plaque assays, total lipid chromatography, cytotoxicity assays, DNA extraction, and mosquito blood feeding
- Computer: MATLAB, Excel, Java, JavaScript, CSS, SwiftUI, Swift, HTML, RStudio, CAD

Awards and Honors

National Merit Scholarship Program, Finalist.....May 2024

- The top 0.1% of high school students who took the NMSQT and were selected for their abilities, skills, accomplishments, and great potential for success in rigorous college studies and beyond

Substance Abuse and Mental Health Services Administration, Honorable Mention.....Feb 2024

- \$2000 FentAlert Challenge award for producing an educational film to show youth the dangers of fentanyl

City of Fort Collins Human Relations Commission, Human Relations Award.....Dec 2023

- Contributed to the acceptance and diversity of minority and disadvantaged citizens in the community

Certifications

- Research: Group 1 Biomedical Research, GCP for Clinical Trials with Investigational Drugs, Biologics and Devices Course, Annual Biosafety Training, NIH Guidelines Training
- Medical: Basic Life Support (April 2025), Wilderness Emergency Medical Technician (July 2025), Emergency Medical Technician (July 2025), Wilderness First Responder (July 2025)