

NI XIONG

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SUMMARY

M.S. Global Health candidate (May 2027) with an information systems foundation and applied R, Python, and SQL experience in health research and analysis. Combines global-health research, AI-health case studies, and frontend work on a team-based digital-health project.

EDUCATION

Duke University

Master of Science in Global Health

Coursework: Biostatistics & Epidemiology, Global Health Research Methods, Health Policy

Durham, NC

Expected May 2027

Georgia Institute of Technology

Master of Science in Computer Science (Online)

Atlanta, GA (Online)

Expected May 2028

University of Florida

Bachelor of Science in Business Administration, Information Systems

Gainesville, FL

Aug 2020 – Dec 2024

RELEVANT EXPERIENCE

Duke Global Health Innovation Center (GHIC)

Graduate Research Assistant, AI for Global Health

Durham, NC

May 2026 – Aug 2026

- Led three of the six AI-enabled global-health innovator case studies — Munai, Jacaranda Health, and Bive — from interview and evidence collection through research, fact checking, drafting, feedback, and revision.
- Conducted cross-case comparative analysis of funding structures, operating models, and deployment milestones to identify patterns relevant to low- and middle-income country settings, and peer-reviewed the remaining case studies in the six-case series.

Tsinghua University, Vanke School of Public Health

Research Intern / Data Analyst, Global Emergency Care Aid

Beijing, China

Jun 2024 – Dec 2024

- Cleaned, categorized, and analyzed bilateral emergency-care aid data for China and South Africa in R and SQL, including stratified random sampling of aid allocation records.
- Built exploratory visualizations (correlation matrices, scatterplots, boxplots) and developed multiple linear and logistic regression models to examine factors associated with changes in aid volume over time.
- Screened academic literature and refined R-based search query strings to support study identification for a systematic literature review.

LingShu Co.

Data Analyst Intern

Shanghai, China

Jul 2022 – Sep 2022

- Wrote Python scripts to verify supply-chain transaction data across database tables, checking record consistency and completeness.
- Worked with the team's Excel dashboards on operational KPIs and delivery milestones, and documented reporting requirements with business stakeholders.

SELECTED PROJECT

SleepSync — Sleep Health Management Application

Georgia Tech CS 6440

- Five-person team project connecting patient-reported sleep data with FHIR-based clinical context; worked on the frontend, building an early dashboard prototype with sleep-trend visualization, stat cards, medication information, and API-connected views.
- Worked on the frontend experience for the team's AI-generated sleep summary, including the summary request, loading state, and rendering the returned text.
- After primary assigned work, contributed to integration testing and debugging across the project, including the frontend/backend boundary.

TECHNICAL SKILLS

Programming & Data: Python (pandas, NumPy), R (tidyverse, ggplot2), SQL, Excel, Git/GitHub

Analytical Methods: Data cleaning, EDA, linear and logistic regression, stratified sampling, hypothesis testing

Health Data & Domain: FHIR concepts, health data, epidemiologic data analysis

Languages: English (fluent), Mandarin Chinese (native)