

Nicole K. Tang

EDUCATION

University of Southern California, Los Angeles, CA

2021-2025

BS Global Health, Minor in Data Science, Specialization in Computer Programming, Magna Cum Laude

MS Public Health Data Science, USC Progressive Degree Program (exp. Dec 2025, 19/25 units complete)

Skills: SQL, Python, R, SPSS, SAS, C++, Java, Swift, html/css, Tableau, Github, Qualtrics, Cognito, Canva, Figma, Excel

EXPERIENCE

USC Global Research, Implementation and Training (GRIT) Lab (thegritlab.org)

Los Angeles, CA

Global Health Research Assistant

Jan 2023–Present

Community-based public health research, training, service and program deployment in Africa

- Conducted multiple workshops on women's health and training of local youth public health ambassadors in data collection and interpretation methods (Kibera, Kenya 2024 and 2025)
 - "Better Health Starts with Her: A Community-Led Women's Health Initiative in Kibera, Kenya", N. Tang et al., APRU Global Health Conference, Bangkok , Nov. 6 2024. (thegritlab.org/better-health-starts-with-her)
 - Generated a health survey and collected 600 resident responses through direct interviews with the local team
 - Performed data capture, cleaning, generation of csv files and database structure for queries and analysis in SQL/R.
- Project lead for study on road infrastructure and user behavior to reduce road trauma and injury (Lira, Uganda 2024)
 - Submitted project proposal, generated data collection methodology, led preliminary data collection activities in the field, performed descriptive analysis of data using Tableau and RStudio, created policy brief detailing findings.
 - "Understanding Road Trauma and Injury in Uganda", N. Tang, et al., Consortium of Universities for Global Health CUGH 2025, Atlanta, Feb. 20 2025. (thegritlab.org/road-safety-lira-uganda)
- Conducted interviews and focus group to evaluate causes of burns, treatment option misconceptions and treatment seeking behavior (Kampala, Uganda 2024)
- Categorical statistical analysis using SPSS on gender perceptions and adolescent health outcomes (Lira, Uganda 2024)

California Department of Public Health (cdph.ca.gov/Programs/CEH/DFDCS/Pages/FDBPrograms...)

Los Angeles, CA

Data Science Intern - Medical Device Safety Program

June 2025–Present

Improving user access to safety and recall data for medical devices available in California

- Developed iOS App prototype in Swift to provide name, keyword, and date range searches, and python scripts to webscrape CDPH medical device website and query across 3 appropriate api databases to display current recall status

City of Long Beach Homeless Services (longbeach.gov/homelessness)

Long Beach, CA

Data Analyst Intern

June 2024–Present

Local government department providing programming and support to those experiencing homelessness in Long Beach

- Support case management and service data for program enrollment, assistance metrics, and program success indicators
- Assist in data entry, management, and analysis of demographic data

USC Global Health Pre College Program (precollege.usc.edu/summer-programs/global-health)

Los Angeles, CA

Teaching Assistant

June–July 2024; June–July 2025

USC 4 week college credit summer course for high schoolers exploring global health topics

- Provided perspective on current approaches to promoting health, preventing disease, and delivering health services, facilitated classroom discussion on health topics and lectures, maintained course website, grade and attendance records.

World War II Camp Wall Memorial (wwiicampwall.org)

Torrance, CA

Data Science Summer Intern

Jun-Jul 2023

Non-profit building a wall memorial with 120k incarcerated names to be located in Torrance's Columbia Park.

- Created and populated a database containing incarceration information in Python, SQL/SQLAlchemy, and Alembic for a database migration framework allowing for error checking, cleaning, and update of entries, coded a dynamic name spacing visualization to display text as it will appear on the monument, and made searchable visualizations to tell compelling stories of the incarceration experience of Japanese Americans interned during WWII.

Keiro Services (keiro.org) / Kizuna Nikkei Community Internship (gokizuna.org)

Los Angeles, CA

Nikkei Community Summer Intern - Keiro Services

Jun-Aug 2022

Non-profit focused on improving quality of life for older adults in the Los Angeles Japanese American community

- Organized and implemented projects, events, community activities, health topic fact sheets, and leadership briefs

AWARDS & COMMUNITY INVOLVEMENT

- USC Global Scholar Award, Renaissance Scholar Distinction, Keck Student Ambassador, APRU Student Ambassador, Girl Scout Gold Award, Mojave Primitive Encampment MISC, Camp Kesem USC