

Nathan Kim

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EDUCATION

Yale University, New Haven, CT

Expected Graduation: May 2022

Majors: Statistics and Data Science (S&DS); Ethnicity, Race, and Migration (ER&M), *GPA:* 3.79/4.0

Relevant Coursework: Applied Spatial Statistics, Multivariate Statistics for Social Science, Data Exploration and Analysis, Intermediate Methods in Quantitative Sociology, Politics of Ethnic and National Identity

Awards: Dwight Hall Urban Fellowship, Asian American Cultural Center First-Year Award

Julia R. Masterman High School, Philadelphia, PA

Class of 2018

GPA: 4.05

Awards: National Merit Semifinalist, National Spanish Exam Gold Medal, AP Scholar with Distinction, All-City Orchestra Fellowship, All-City Orchestra Concerto Competition Finalist, National Honor Society Member

WORK EXPERIENCE

Yale Institution for Social and Policy Studies, *Research Assistant* September 2018 – Present

Modeling the relationship between economic mobility and health outcomes across race and gender under Professor Emma Zang, with the goal of describing consequences of disparities in economic opportunity. Previously harvested data from New York Police Department misconduct files and scraped NYPD “Build the Block” community meeting data from an online resource for a Sociology PhD student.

University of Pennsylvania Population Studies Center, *Research Intern*

Summer 2019

Worked with Professor Irma Elo, Chair of Penn Sociology, on a project on county-level predictors of mortality in the US. Assembled a database and created a Shiny visualization app of socioeconomic, demographic, and behavioral health indicators; worked on a clustering project with the dbSCAN, VarSelLCM, and spdep packages in R; cleaned data for various projects from sources including the NHIS, the ACS, the EPA EJSCREEN, and HRSA.

Vocatio Career Prep High School, *Teacher*

Summer 2019

Taught two groups of high school students in basic computer science concepts and math in a local high school summer program.

Leadership, Athletics, and Education in Partnership, *Development Intern* Fall 2018 – Present

Currently working in the Development Office to analyze recent donor data, with the aim of finding relationships between donation time, donation amount, LEAP activities such as segmenting letters, and donor identity.

Penn Medicine Abramson Cancer Center, *Research Intern*

Spring 2018

Worked at the Milone CAR-T lab with Roddy O’Connor, a staff scientist in the lab. My project investigated T cell differentiation in hypoxic conditions, a setting typical of a solid tumor

environment. Work with the BRD4 pathway indicated that CAR-T cells are inhibited by natural factors of the tumor environment.

The Wistar Institute, Research Intern Summer 2017

Received stipend to work at the Gabrilovich tumor immunology lab of the Wistar Institute on a project studying UHRF1BP1, an immunomodulatory gene associated with ovarian cancer.

Eighth Street PeaceMakers Summer Camp, Staff Member Summer 2016

Worked as a tutor for students in reading and math. Planned daily group activities like games and Bible study time.

ACTIVITIES AND LEADERSHIP

Yale Daily News, Data Science Desk Reporter Spring 2020 – Present

Analyzing Yale property tax and payment-in-lieu-of-taxes data to provide reports on New Haven funding. Visualizing Yale Course Statistics data to describe growth of majors and classes over the past four years.

UNITY Korean Drum Troupe, Member Fall 2018 – Present

Performing with traditional Korean drums like the jangu, buk, kkwaenggwari, and jing. Past performances have included the Korean Cultural Festival 2019 and the Korean American Students at Yale's Adopted Friends Event.

Asian American Students Alliance (AASA), Programming Chair Spring 2019 – December 2019

Spearheaded a task force on data disaggregation activism to build a RShiny data visualization app with nationally recognized group AAPI Data and host several political education workshops on the 2020 Census citizenship question and political representation. Invited and hosted playwright-activist Dimo Kim, cartoonist Dami Lee, and political activist Rita Pin Ahrens to discuss various forms of community organizing.

Asian American Studies Task Force, Secretary Spring 2019 – Present

Hosting workshops on Asian American and Asian diasporic history. Creating infographics for Asian American Studies on curricula at Yale, the U.S. Yellow Power movement, and cultural imperialism enacted in food like SPAM. Advocating for the inclusion of Asian American Studies and other ethnic studies into the Yale curriculum.

Korean American Students at Yale, Social Chair September 2018 – December 2019

Currently planning and hosting social events like study breaks, mixers, and dinners as social chair.

Matriculate, Advising Fellow September 2018 – Present

Advising first-generation, low-income high school students in the college admissions process over video chat around two hours a week.

Negative Space, Interviewer and Website Team Member September 2018 – Present

Interviewing Asian Americans at Yale, discovering and transcribing their life experiences in an oral history project to showcase diversity in the Asian American experience.

Urban Improvement Corps, Tutor

September 2018 – May 2019

Worked four hours a week as a tutor for two New Haven students in math and science.

RELEVANT SKILLS

- **Computer Skills:** Microsoft Office Suite (including macros), R (familiar with the tidyverse and data.table), the Python pandas library, Wix
- **Languages:** Spanish (proficient), Korean (basic)