

# Nia Fan

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## Education

### M.Sc. Big Data Analytics

San Diego State University

Expected May 2023

San Diego, CA

Coursework:

- Machine Learning Engineering
- Enterprise Database Management
- Electronic Business & Big Data Infrastructures
- GIS for Business Location Decisions
- Python Programming for GIS
- Big Data Science & Analytics Platforms
- Business Analytics

### B.A. Psychology

University of California, Los Angeles

September 2015 - June 2019

Los Angeles, CA

## Skills

Python, R, SQL, MariaDB, MySQL, PHP, HTML, ArcGIS Pro/Online, Tableau, MS Office Suite, SharePoint, Lucid Chart, Business Analyst Online, Amazon AWS, GitHub, Big Data Analytics

## Experience

### Graduate Assistant

August 2022 – Present

Department of Geography, San Diego State University

San Diego, CA

- Teach 25+ students in the Big Data Science and Analytics Platforms class required for all graduate students in the program and provide guidance with skills and applications such as Tableau, Amazon AWS, R, Python, ArcGIS
- Conduct data analysis and create visualizations using ArcGIS Pro, Python, and R with COVID-19 data in San Diego as part of a paper funded by the National Institute of Health. Goal of the paper is to provide recommendations to San Diego County government on future test site locations, taking into consideration health disparities of certain areas
- Collaborate with advisor and fellow graduate students in a multidisciplinary team bridging public health and GIS

### Clinical Research Coordinator

August 2019 – October 2021

Brentwood Biomedical Research Institute/VA GLA/UCLA Health

Los Angeles, CA

- Maintained patient record management system; collected and managed all study related data
- Improved study workflows through collaboration with staff across multiple departments and facilities
- Coordinated with Principal Investigator (PI) and the study team to ensure that the clinical research and all related activities were performed in accordance with the Internal Review Board (IRB), the FDA, and the sponsoring agency's policies and procedures

### Administrative Assistant

August 2017 – September 2019

Dr. Robin Kay Private Practice

Los Angeles, CA

- Created and maintained Dr. Kay's website ([www.drrobinkay.com](http://www.drrobinkay.com)) using Squarespace and HTML/CSS
- Conducted and compiled scientific research to support future publication material based on Dr. Kay's insights as a clinician
- Edited patient session videos tailored to academic conferences and class presentations
- Transcribed 100+ sessions for purposes of scientific research, teaching and publication

## Extracurricular Activities

Lifeguard & Swim Instructor, YMCA of San Diego County

January 2022 – Present

Student Team Manager, UCLA Women's Water Polo

January 2016 – May 2016