

Nia Fan

[linkedin.com/in/nia-fan](https://www.linkedin.com/in/nia-fan) | San Diego, CA | nia-fan.github.io

Education

M.Sc. Big Data Analytics

San Diego State University

August 2021 - 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, ArcMap/ArcGIS Pro/Online, PowerBI, Tableau, SAP, MS Office Suite, SharePoint, Lucid Chart, Business Analyst Online, Amazon AWS, GitHub, Big Data Analytics

Experience

GIS Analyst

San Diego Gas & Electric

July 2023 - Present

San Diego, CA

- Contractor supporting San Diego Gas and electric's gas team, processing spatial data and utilizing ArcMap to reflect changes and updates in the infrastructure system
- Collaborating with GIS and field teams to fulfill GIS demands across the dynamic utility network in order to produce maps with the most recently available data, enabling prompt spatial analysis
- Assisting in database clean up and maintenance

Graduate Assistant

Department of Geography, San Diego State University

August 2022 - May 2023

San Diego, CA

- Taught 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
- Conducted data analysis and created 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
- Collaborated with advisor and fellow graduate students in a multidisciplinary team bridging public health and GIS

Clinical Research Coordinator

Brentwood Biomedical Research Institute/VA GLA/UCLA Health

August 2019 - October 2021

Los Angeles, CA

- Maintained patient record management system; collected and managed all study related data for 100+ active study patients
- 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

Dr. Robin Kay Private Practice

August 2017 - September 2019

Los Angeles, CA

- Created and maintained Dr. Kay's website (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

Extracurricular Activities

Lifeguard & Swim Instructor, YMCA of San Diego County

January 2022 - May 2023

Student Team Manager, UCLA Women's Water Polo

January 2016 - May 2016