

# Kevin Nguyen

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## EDUCATION

### Oregon Health & Science University, Portland, OR

Jul 2023 - Present

*Master of Science in Health and Clinical Informatics*

*Relevant Coursework: Evidence-Based Medicine, Analytics for Healthcare, Databases, Standards/Interoperability Healthcare*

### University of California, San Diego, La Jolla, CA

Sep 2019 - Jun 2023

*Bachelor of Science in Public Health, Concentration in Epidemiology, Minor in Mathematics*

*Relevant Coursework: Biostatistical Methods, Data Analysis and Inference, Computational Statistics*

## SKILLS

**Programming Languages:** R, Python, Matlab, Javascript

**Software:** Microsoft Excel, Tableau, Google Data Studio, Google Analytics, SPSS, JMP, ArcGIS, MAXQDA, R Shiny

**Languages:** English, Vietnamese, Spanish

**Other:** Network Modeling, Hypothesis Testing, Machine Learning, AB Testing, Machine Learning, Predictive Model Building

## WORK/RESEARCH EXPERIENCE

### UC San Diego Health, La Jolla, CA

Dec 2020 - Present

*Research Data Analyst*

- Develop an R package that creates a network model that surpasses the points where convergence/steady state for Erdős–Rényi and Barabási–Albert networks fail.
- Modify Python and R code to conduct statistical network analysis focused on the development of novel HIV methods and execute code on high-performance computing clusters to assess the performance of the novel methods.
- Collaborated with Google, Apple, UCSD Health, and the CDPH to pull and analyze the data gathered from the CA Notify system on smart devices via a joint API developed by Apple and Google.
- Contributions include working on dashboards to send to the government as well as performing different statistical analyses to measure trends of counties across California using various databases including SQL, Google Sheets, and Excel.

### Oregon Health Authority, Portland, CA

Mar 2024 - Jan 2025

*Visualization Developer*

- Work closely with state investigators and epidemiologists to develop an HIV dashboard using various federal and state data sources such as HIV Trace, eHARS, ORPHEUS, and other Care related datasets using R Shiny.

### Open Digital Health Initiative Living Review & Database, San Diego, CA

Nov 2022 - Sep 2023

*System Evaluator*

- Developed an open database that has information and code from preexisting digital health technologies.
- Analyzed feedback and suggestions from global digital health experts about vital database features.

### UCSD School of Public Health, La Jolla, CA

Oct 2020 - Jun 2021

*Outreach Analyst*

- Worked with the Treasury of San Diego to provide information to local businesses about new policies for safety implemented during the pandemic.
- Analyzed and visualized the entire team's phone call/in person visit data and to help track the extent of business outreach.

### Qualcomm Institute, La Jolla, CA

Oct 2020 - Mar 2021

*Data Analyst*

- Built a predictive analysis model in Python with a team to predict future county-level outbreaks of COVID-19 from Google, Apple, and Waze's Mobility Reports, Yelp's daily reviews, and other open datasets.
- Used various statistical methods and machine learning techniques to analyze the feasibility of 5+ models to predict the spread of COVID-19.

## CERTIFICATES

R for Data Analytics (UC San Diego, June 2022)