

Kenneth Nguyen

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EDUCATION

University of California, San Diego, CA

June 2023

Bachelor of Science in Data Science w/ minors in Cognitive Science and Health Care - Social Issues

GPA: 3.8/4.0

Relevant Coursework: **MATH18:** Linear Algebra, **MATH 20C:** Multivariable Calculus, **MATH 183:** Statistical Methods, **MATH 189:** Exploratory Data Analysis and Inference, **DSC30:** Data Structures and Algorithms (Java), **DSC40A/B:** Theoretical Foundations of Data Science (Python), **DSC80:** Practice of Data Science, **DSC100:** Introduction to Data Management (SQL), **COGS 108:** Data Science in Practice (Python)

SKILLS

Languages: Python, Java, R, SQL, MATLAB, PowerBI

Libraries: dplyr, Numpy, Scipy (scikit-learn), Pandas, highcharter, matplotlib, Dask

HIGHLIGHTED PROJECTS & EXPERIENCE

Private Tutor

September 2021 - Present

Instructor

La Jolla, CA

- Create lessons that help break down basic concepts of computer science such as object-oriented programming, conditional statements, for/while loops, and data structures as well as mathematics such as quadratics, functions, and inequalities
- Reviewed topics during every lesson by providing self-created practice problems to ensure knowledge retention
- Found that students' grades increased in both areas of computer science and mathematics

Triton Consulting Group (TCG)

January 2021 - Present

Associate Member

La Jolla, CA

- Collaborated with team members to analyze three years of revenue and promotional data from a local bakery using Pandas and Python in order to compare relative revenues to promotional deals that ran before and during the pandemic
- Used analytics to show that one promotion accounted for half of all income generated from promotional schemes
- Created a presentation for the client which included graphs created with matplotlib in order to present the client with the findings in a concise manner
- Practiced case studies in teams in order to practice our analytical thinking skills while being able to cooperate with others

National Oceanic and Atmospheric Administration (NOAA)

June 2021 - September 2021

Research and Programming Assistant, Southwest Fisheries Science Center

La Jolla, CA

- Utilized the dplyr package in RStudio in order to clean and process fishery data from the PACFIN database
- Implemented the Törnqvist Multilateral and Bilateral Output Index to swordfish fisheries in order to make transitive comparisons between different fisheries and time periods
- Helped highlight the fact that older fisheries were producing much less output compared to the newer fisheries
- Visualized the indices using the interactive line chart function using highcharter to allow for easy readability

New York Police Department Complaint Allegations

May 2021 - June 2021

Class Project

- Examined a dataset of more than 30,000 citizen complaints in order to train a model that would predict whether a complaint would be substantiated or not using Jupyter notebooks and Python
- Employed Pandas and Scikit-Learn to clean the data and feature engineer some variables to create a workable machine learning model that was trained and tested using cross-validation techniques
- Tested the model for fairness on the African American community by running permutation tests to calculate the True Positive Parity measure