Elizabeth Naameh

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Data scientist, problem-solver, and energetic team player with a background in math & computer science education and leadership.

SKILLS

PROGRAMMING
Python (Pandas, sklearn)
SQL / NoSQL

DATA VISUALIZATION
Tableau
Seaborn

MACHINE LEARNING & STATISTICAL MODELING
Linear / Logistic Regression
Tree-based methods (CART)
Ensemble methods
Clustering
Dimensionality Reduction
Natural Language Processing
Cross Validation
Neural Networks

DATA MANAGEMENT
AWS
MongoDB
Hadoop

EDUCATION

UCLA, International Development Studies, B.A.
National University, Mathematics Teaching Credential, M.Ed.

EXPERIENCE

Metis June 2021 – August 2021
Data Scientist
Completed an intensive 12-week data science bootcamp with a strong emphasis on project-oriented skill-building in problem solving, data wrangling, statistical modeling, machine learning, and communication of deliverables. Projects include:

Jeopardy! Trivia Topic Modeling
- Applied NLP techniques (NMF, TF-IDF) to perform topic modeling on over 200K Jeopardy! questions to discover 13 latent meta-categories.
- Deployed a quiz game/web app with Flask, Heroku that handles messy user input.

Instacart Basket Market Analysis
- Predicted whether a user will add-to-cart by utilizing classification algorithms and engineering features to optimize f1-score (logistic regression, random forest).
- Utilized AWS to handle the size of data (~30 million observations).
- Synthesized results in written reports, deriving business implications and making clear recommendations.

Mapping Extreme Weather Events
- Used SQL to store data on 1.2 million weather events and engineered additional geospatial features to investigate the costs of climate change per state/county.
- Developed a Streamlit dashboard and produced visualizations (GeoPandas, Plotly)

Predicting Home Prices in Los Angeles
- Compared linear, ridge, polynomial regression models to predict LA home prices.
- Created features from existing data to proxy for missing attribute features.
- Scraped 10K Zillow listings using BeautifulSoup, Selenium. (R^2 = 0.82)

UCLA Center X June 2019 – Present
AP Computer Science (CS) Lecturer
- Communicate complex concepts clearly for students and teachers at UCLA's AP Readiness, hosting one the program's highest-rated classes.
- Model high-impact teaching strategies and mentor CS teachers for success.

Computer Science Teachers Association June 2020 – Present
Equity Fellow
- Develop ongoing, peer-to-peer professional learning experiences focused on addressing equity and inclusion in CS classrooms.

Ednovate, USC Hybrid High School June 2019 – June 2021
AP Calculus, Computer Science Teacher
- Built and maintained the district's first CS department while leading a team of tech industry professionals through Microsoft's TEALS program.
- Combined a rigorous academic model with a technology-rich, blended learning program that individualized content to meet student needs.
- Pivoted quickly to remote learning by embracing innovative tools (Edpuzzle, Desmos) while maintaining warmth and consistency in Zoom class routines.

Citrus Hill High School June 2016 – June 2019
Pre-Calculus, AP Computer Science Teacher
- Developed a tight-knit class community and achieved exceptional AP outcomes.
- Increased girls' CS enrollment by 400% through targeted recruitment.