Ahmed Mostafa

Data Science Undergraduate Student at UCSD

I am a motivated and hardworking Data Science undergraduate student with a 4.0 GPA. While I'm still gaining knowledge and experience in the field, I have an incredible resolve to learn things quickly and proactively seek results.

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EDUCATION

Data Science
University of California, San Diego

09/2022 - Present   *GPA: 4.0*

Courses

- *Linear Algebra*
- *Programming Techniques in Python that cover data processing, modeling, and analysis*
- *Standard Economic Models*
- *Calculus*

WORK EXPERIENCE

Merchandise and Data Analyst Intern
Sakr Group

07/2021 - 08/2021   *Cairo, Egypt*

Sakr Group is a leading food and beverage supplier in the Middle East, with seven major factories and distribution partnerships that span the MENA region

Achievements/Tasks

- Surveyed retail stores in my assigned district to check for retail display of the products for my daily inventory reports
- Used my reports that included the number of units sold of each product in each store and the expire dates of the products to perform forecast analysis for the demand in the following week

Peer Tutor
Al-Kon Int'l School

09/2020 - 06/2022   *Jeddah, Saudi Arabia*

Alkon is and international (American-based curriculum) high school

Achievements/Tasks

- Held tutoring sessions for Algebra, Calculus I, and Physics for over 100 student as a supplementary instruction initiative to support struggling students

College Support Initiative
Self-started Initiative

09/2021 - 06/2022

Achievements/Tasks

- Spearheaded a college-application-101 initiative to support my fellow students on campus as our school lacked the necessary resources for studying abroad
- Prepared a series of presentations on choosing a major, finding a school, funding opportunities, and the application process
- Presented to over 60 students many of whom reached out for personal 1:1 support

SKILLS

Python   Team Managment   Report Writing   Session planning   Microsoft Office   Data Analysis

PROJECTS

Patterns in Music Using Spotify Dataset

- Wrangled Spotify dataset to find correlations between tempo and music genre specifically Latin Music.
- Developed a criteria set based on patterns presented in the data to identify mega viral American songs
- Mapped the change in song ranking over time

Marvel vs DC: A Data View

- Identified Marvel vs DC bias towards a particular gender in their heroes and villains.
- Tested the hypothesis of ratio of the gender of new villains leaning male.
- Utilized various techniques to test hypotheses such as bootstrapping, permutations, computed probabilities and confidence intervals.

VOLUNTEERING

Leajlekom (For You) (06/2019 - 09/2019)

Managed the inventory by tracking supply and demand for meal banks. I also led the delivery team, assigning timelines and locations for team members

CERTIFICATES

Technology Entrepreneurship: Lab to market

EdX course offered by HarvardX on bridging the gap between new technologies and customer needs to transform the novel ideas into successful products.

Stocks and Bonds

Coursera course offered by University of Michigan on the basics of stocks and bonds.

LANGUAGES

English
Native or Bilingual Proficiency

Arabic
Native or Bilingual Proficiency

French
Elementary Proficiency