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Jeffrey Ugochukwu

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Experience

Data Science Apprentice **Facebook** **April 2020 – Present**

Product Analytics

- Selected in a group of 90 finalists to participate in Facebook's Data Science 4-month apprenticeship program.
- Partnered with the recruiters and Data Scientists/Engineers in the Product Analytics team to receive interview prep.
- Conducted a mock interview with a Data Scientist on Facebook's Data Science role to solve specific interview questions that would improve Facebook's products through analyzing feedback of the user's data.
- Product analytics prompts asked for measuring the health of the Instagram App and the distribution of users that message accounts on Instagram story. Response to both was to analyze review information from app stores to see where the app did well and where it can improve and said the distribution was skewed left due to the majority of Instagram story users being more interested in watching the stories themselves.
- Final prompt consisted of two coding problems to work with a database regarding the Facebook marketplace; wrote a SQL query that calculates the proportion of items being sold that were from Facebook and wrote another query to calculate the average duration of items that are being introduced and sold on the marketplace.
- Gained a better intuition in terms of knowing what factors to access when conducting data analysis on products and learned what necessary technologies are relevant to solve specific problems.

Technical Content Developer **Bit Project** **January 2020 – Present**

- Wrote introductory Data Science content such as my technical blog where I programmed a linear regression model in Python to predict the median blood pressure level of diabetes patients; once my article was published on Bit Project's Dev.to account, 26 people read and reacted to it and have gained a better understanding of the application of regression analysis.
- Gained a better understanding of using the necessary technologies for statistical analysis and educated an audience in the field of interest in a straightforward way.

Education

Davis, CA **University of California, Davis** **September 2018 – June 2022**

- B.S. in Statistical Data Science, Upper Division Major GPA: 3.2
- Undergraduate Coursework: SQL Optimization Modeling, Data Structures, Fundamentals of Statistical Data Science, Analysis of Variance, Regression Analysis, Gateway to Statistical Data Science

Technical Experience

Projects

- **Lap-a-Top** (January 2020): Hackdavis project that recommends a top 10 list of laptops to users based on preference of specs, budget, and purpose of the laptop for gaming or studying. Cleaned gaming laptop specs using pandas to iterate through missing values and convert spec items such as GPU and CPU into integers. Tested out the project with 5 people and the program created the desired output for each person's choices. Gained an understanding of what it means to work in a team on technical projects and that this project could help college students find an affordable laptop that satisfies their daily necessities.
- **Exploratory Data Analysis of Trending YouTube Videos** (September 2019 – December 2019): Conducted exploratory data analysis using Python on trending Youtube videos to find factors that correlated with high viewership. Found that superhero films and music videos are the most popular content and there's a positive correlation between number of views and likes.

Additional Experience and Awards

- **UC Davis 2019-2020 Community Service Award** (May 2020): Won the bronze award for the volunteer work and the Statistics/Computer Science content creation for Bit Project.
- **Logistics Volunteer for Pilipinix Youth Conference** (January 2019 – February 2020): Organized materials to endorse UC Davis to Filipino high school students which led to increased enthusiasm in the students, and a 40% sign-up rate.
- **Data Science and Statistics Club** (January 2019 – Present): Attend project development seminars for examples of Data Science projects from club members or alumni in the tech industry.
- **National Society of Black Engineers** (September 2018 – Present): Utilize career development resources from members in the organization through NSBE career fairs and African American Alumni in the tech industry.

Skills

- **Programming Languages:** SQL; R; Python; MATLAB; C++
- **Frameworks:** Pandas; Numpy; Matplotlib; Seaborn; Scikit-learn; dplyr; caTools; caret; Jupyter Notebook