Zhiyun (Eric) Huang

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Auckland

SUMMARY

Career objective: Currently an intern at Fisher & Paykel Healthcare under the quality distribution centre team. Graduating with a Master's degree in **Data Science**. Seeking a position in the data-related field where I can effectively utilize my data analysis skills.

- Around two years of data analyst experience; proficient in using **PowerBI** to generate business-driven insights.

- Demonstrated experience with **SQL, PowerBI DAX** and **Python Pandas**, which enables me to perform effective and efficient data cleaning and transformation.

PROFESSIONAL EXPERIENCE

Fisher & Paykel Healthcare   2023.11 - 2024.02

Quality & Regulatory intern (Quality Distribution)   Auckland

- Developed PowerBI dashboards and restructured NCR data entry by employing data migration methods to redesign the capture process of Non-Conformance Reports (NCRs), utilizing one part from PowerBI Dataflows and another from SharePoint lists.

- Implementing cross-analysis techniques within the dashboard to evaluate NCR numbers, products, and batches, ensuring a detailed understanding of quality control processes.

- Utilizing advanced data visualization methods in Power BI and creating an interactive and user-friendly dashboards for effectively monitoring and assessing NCRs-related data and metrics (Recurrence and disposition).

Ministry of Education   2023.07 - 2023.11

Project intern   Remote

- Transformed the Reputational Dashboard using Tableau to offer an interactive and visually engaging user experience. Leveraging Tableau to illustrate media impact on the Ministry's reputation.

- Utilized Python for topic modeling and sentiment analysis, extracting meaningful insights from extensive media data, and enabling a deeper understanding of public sentiment and topical trends.

- Employed a pre-trained BERT model along with Latent Dirichlet Allocation (LDA) for advanced sentiment analysis and topic modeling, integrating machine learning techniques to enhance the accuracy and depth of our analytical insights.

- Conducted comprehensive user testing to guarantee the dashboard's user-friendliness and practicality. Gathering user feedback and making iterative improvements to meet the end users' needs effectively.

Poizon (E-commerce Platform)   2021.07 - 2022.05

Data Analyst   Shanghai

- Developed **QuickBI** dashboards using **SQL** queries to deliver marketing insights by managing millions of user data across different datasets, enabling the tracking of vital performance indicators such as Net Promoter Score, visitor information, performance rate, CPO, and refund and replacement policies for daily/monthly traffic monitoring.

- Implemented **A/B testing** to identify and address a conversion rate issue with regard to customised display images, resulting in 2% sale increase, achieving business objectives, and improving the user experience.

- Conducted **market analysis** using dashboard insights and historical customer feedback to enhance marketing strategies and improve product positioning.

NIO (New Energy Electric Vehicles Company)   2020.12 - 2021.02

Data Management intern   Shanghai

- Developed data support for **agile** product development, effectively managing and constructing database systems to ensure accurate relationships between datasets. Categorize internal datasets to assess NIO's data relationships, pinpointing the wrong relations and correcting them.

- Leveraged **SQL** scripts to populate datasets and conduct data analysis including Bill of Materials (BOMs) for each base point model, providing a clear and concise overview of project components.

- Utilized **Python pandas** to cleanse data from JIRA to aggregate variables across multiple time dimensions, achieving accurate and unified result.

Trip.com Group (Chinese Biggest OTA company)   2019.11 - 2020.02

Marketing analysis assistant IBU   Shanghai

- Collaborate in the establishment of European marketing researchs and devised monthly **Tableau** dashboards for traffic monitoring to analyze competitive data, user information, and ROI trends; providing real-time insights into website performance and enabling data-driven decision-making.

- Collaborated and leveraged **SQL** Hive for Trip.com **user profile**, generating reports using dimensional analysis and visualize the result using **Tableau** for further market research.

EDUCATION

University Of Auckland   2023.02 - 2023.11

Master of Data Science   Auckland

Courses: Database design | Big data management | Statistical computing

University of Auckland   2022.07 - 2022.12

Postgraduate certificate in Information Technology   Auckland

Courses: Web Design | Java | Javascript

University of Auckland   2018.02 - 2021.06

Bachelor of Science   Auckland New Zealand

Double major in Statistics and Geography

Courses: R(Time Series, Multivariate analysis) | SAS programming | GIS

Skills

- Skilled in: Python (Pandas, Numpy, BeautifulSoup, Sklearn, Matplotlib), Java, R, Javascript, Html, CSS

- Experienced with SQL, SQLite, MongoDB, PowerBI, Tableau, QuickBI, Xmind, JIRA, MS Office applications