

Yanyan (Dora) Deng

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SUMMARY

A data-driven team player skilled in gathering business questions, translating them into data analysis, and providing strategic recommendations. I have contributed to increasing forecast accuracy in financial planning by 65%. I excel in solving problems for stakeholders through efficient data reports that deliver reliable insights.

EDUCATION

FORDHAM UNIVERSITY, *GABELLI SCHOOL OF BUSINESS*, NY

Aug.2019 - Dec.2020

MS, Information Technology GPA: 3.9/4.0

Relevant Coursework: Database Management, Data Mining, Business Analytics, Information system strategy

HOFSTRA UNIVERSITY, *FRANK. ZARB SCHOOL OF BUSINESS*, NY

Aug.2017 - May.2019

MS, Finance GPA: 3.4/4.0

Relevant Coursework: Financial Analysis and Planning, Advanced Statistical Modeling in Finance, Advanced Applications in Risk

Xi'an SHIYOU UNIVERSITY, China

Aug.2012 - May.2016

BS, Engineering GPA: 3.7/4.0

Relevant Coursework: Advanced Mathematics, Liner Algebra, Probability and Mathematics Statistics

HIGHLIGHTS

Soft Skills: Analytics skills, Report Analysis, Collaborator, Problem solver, Advanced Communication, Business Strategy

Language Skills: **SQL, SAP, Tableau, PowerBI, Python, Financial Modeling, Microsoft Office, Microsoft Excel**

Certificates: Gabelli Leadership Certification, Google Analytics Certification

EXPERIENCE

Cerebral Artery LLC

Jersey City, NJ

Financial Data Analyst - part time

Oct.2023 – Present

- Utilized Excel and SQL to analyze **800M** financial datasets and extract key financial metrics in analytics
- Cleaned financial data from third party source to ensure accuracy and reliability of financial planning analysis
- Built **data visualizations** in **Tableau** to and root cause analysis, tracking business objectives such as pricing strategies, customer segmentation and marketing trends to manage cost controls and operational expenses

Siemens Healthineers (Fortune 500)

Tarrytown, NY

Data Analyst

Aug.2021 – Aug.2023

- Assessed data reports by querying dataset in **SQL and SAP** to improve sales, product and financial data validation
- Completed **Inventory dashboards** in **PowerBI** while developing automation to streamline analysis processes for global sales operations planning, leading to a **65%** increase in budget forecast accuracy
- Managed the development of intercompany **BI software** using data analytics to enhance digital workflow
- Supported in data management and variance analysis, assisting various stakeholders to identify opportunities for sales business improvements and costs saving
- Led **Azure Cloud data migration** by constructing **ETL Pipeline** in Software as a Service (SaaS) environment, enhancing the efficiency of 34 data reports processing

NYU Langone Fenyo Lab

New York, NY

Data Science Research Assistant Intern

Oct.2020 - Feb.2021

- Implemented **Correlation, Significant level** in **R studio** and **Pandas** in **Python** to formatted distributor data and recognize **450** mutant genes in **30k** raw dataset
- Created scientific basis for biologists, leading scientist to explore unique diseases by **visualization** tool in R studio

Deloitte - NCAA March Data Crunch Madness Competition

New York, NY

Data Scientist

Jan.2020 - May.2020

- Predicted winning team of each game in 2020 NCAA with accuracy over 75% and log loss of 0.439
- Trained 17-year historical NCAA dataset with more than **150 variables** before feature selecting, tested models using machine learning algorithms like ANN and earned Honorable Mention (top10%) from judging panel

Gabelli School of Business

New York, NY

Data Analysis Teaching Assistant

Dec.2019 - Dec.2020

- Collected, aggregated, and analyzed **11GBs** of Instagram data on Google Cloud to measure popularity of Product Tags using Pandas
- Built **automated visualization dashboards** by extracting data from **MySQL** server to track 50 fashion trends