

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 - Tier1 Healthcare)

Tarrytown, NY

Data Analyst

Aug.2021 – Aug.2023

- Engaged in Sales Operation Planning(S&OP), Financial Planning, Inventory Management and Procurement Analytics
- 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 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