

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, Linear Algebra, Probability and Mathematics Statistics

HIGHLIGHTS

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

Language Skills: **SQL, SAP, Tableau, PowerBI, Python, Azure Cloud, GCP, 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 **SQL** to organize **800M** financial datasets to ensure data accuracy of financial planning analysis
- Built **data visualizations** in **Tableau**, providing recommendations on commercial finance to manage cost controls and financial risks

Siemens Healthineers (Fortune 500) Tarrytown, NY
Data Analyst Aug.2021 – Aug.2023

- Engaged in Data Management by querying sales, product and finance data from **SQL** and **SAP** with 10,000+ rows of historical dataset
- Completed **Inventory dashboards** by creating data model in **PowerBI**, streamlining analysis process for operational planning
- Performed big data and **ETL pipeline (extracted, transformed and loaded data)** in **Azure** cloud-based distributed data warehouses, optimizing data storage and the efficiency of 34 data reports processing
- Designed **Business Intelligence solution** using intercompany **BI tools** on Logistics KPIs, fulfilling ad-hoc requests that feed into digital reporting dashboard and driving decision making

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