

# 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, 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 query and filter **800M** financial datasets to ensure accuracy of financial planning analysis
  - Built **data visualizations** in **Tableau**, providing recommendations on pricing strategies, customer segmentation and marketing trends to manage cost controls and operational expenses
- Siemens Healthineers (Fortune 500)** Tarrytown,NY  
**Data Analyst – Diagnostics Supply Chain Management** Aug.2021 – Aug.2023
- Engaged in Data Analytics and Operations by querying data from **SQL** and **SAP** with 10,000+ rows of historical dataset
  - Completed **automated visualization dashboards** in **PowerBI**, streamlining analysis process to drive decision making
  - Supported in business planning, collaborating Finance to identify opportunities for business improvements and cost saving
  - Extracted, transformed and loaded data in **Azure Cloud** data management, enhancing the workflow 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