

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. With a background in Data Science, Finance and Business Analytics. I excel in solving problems for stakeholders through efficient data reports that deliver reliable insights.

EXPERIENCE

Siemens Healthineers (Fourtune500)

Tarrytown, NY

Data Analyst – Supply Chain Management

Aug.2021 – Aug.2023

- Leveraged **SQL** and **SAP** skills to conduct in root causes analysis for sales, financial, and product data, driving informed decision-making for sales operation planning and supply chain improvement
- Completed **visualization dashboards** in **PowerBI**, translating business needs into user stories to streamline analysis process
- Led data migration by constructing **ETL pipeline** in cloud-base infrastructure, optimizing workflow and the efficiency of 34 data reports processing, resulting in improved efficiency and data utilization

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

Cerebral Artery LLC

Jersey City, NJ

Financial Data Analyst (part-time)

Oct.2023 – Present

- Utilized SQL to ensure data accuracy and provided recommendations for financial planning analysis

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

Skills

- Proficient in SQL, SAP, R, Python, PowerBI, Tableau, Azure Cloud
- Analytical insights and problem-solving skills
- Advanced communication and presentation abilities
- Familiarity with Agile project management methodology

Language

- Fluent in English, Chinese
- Intermediate in Spanish