

Yanyan (Dora) Deng

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SUMMARY

A data-driven team player is skilled in gathering business questions, translating them into data analysis, and providing strategic recommendations. I have a background in data science, finance, and sales & operations planning in business analytics. I excel in solving stakeholders' problems through efficient data reports that deliver reliable insights.

EXPERIENCE

Siemens Healthineers (Fortune 500)

Tarrytown, NY

Data Analyst – Supply Chain Management

Aug.2021 – Aug.2023

- Leveraged **SQL** and **SAP** skills to improve product, sales, and master data accuracy through multiple processes that span demand planning, supply and inventory planning, financial alignment through Sales & Operations Planning
- Created visualization reports in **Tableau**, translating business needs into user stories to streamline analysis process
- Modeled **machine learning algorithm** to predict inventory expenses, increasing forecast accuracy by 65%
- Led data migration by constructing **ETL pipeline** in Azure, optimizing workflow of **34** data reports processing that saved an estimated 20 hours of manual work per week and resulted in improved decision-making efficiency

NYU Langone Fenyo Lab

New York, NY

Data Science Research Assistant Intern

Oct.2020 - Feb.2021

- Utilized **R Studio** and **Python (Pandas)** for data formatting and correlation analysis, identifying **450** mutant genes in a 30k raw dataset
- Created scientific basis for biologists, leading scientists 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, Linear Algebra, Probability and Mathematics Statistics

Skills

- Proficient in SQL, SAP, R, Python(sklearn), Tableau, PowerBI, Machine Learning Algorithm, Microsoft Office
- 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, Japanese

Hobbies

- Listening to books, yoga and meditation, snorkeling, surfing