Lisa (Jianing) Yu

New York City, NY • 919-889-5769 • jy5098@nyu.edu • Portfolio

Education

New York University • GPA: 3.96
NEW YORK CITY, NY • SEPTEMBER 2024 - DECEMBER 2025

M.S. in Management and Systems, Business Analytics track

- **Relevant Coursework:** Database Systems and Design • Foundations of Business Analytics • Quantitative Models for Decision-Makers • Data Analytics• Managing Technical Projects • Coding Intensive Program for SQL and R

Carnegie Mellon University
PITTSBURGH, PA • SEPTEMBER 2019 - MAY 2023

B.S. in Mathematical Sciences, Minor in Computer Science

- **Relevant Coursework:** Machine Learning • Engineering Statistics • Probability Theory • Data Structures and Algorithms • Discrete Mathematics • Computational Introduction to Differential Equations • Linear Algebra

Experience

E-Strategy Inc.
CHICAGO, IL • OCTOBER 2023 - APRIL 2024

Computer System Analyst Intern

- Integrated **OpenAI API** into **Power BI** to analyze supply chain data and generate real-time **natural-language** summaries and bullet point insights, reducing manual report writing workload for internal analysts.
- Developed a floating **AI assistant** interface within Power BI using **Python (Flask)**, **OpenAI GPT-4 API**, and embedded **HTML/JavaScript**, enabling users to ask questions and receive instant AI-generated explanations.
- Led AI-driven reporting enhancements that resulted in a **55%** reduction in manual report insight generation time.

World Union Properties Consultancy
SHANDONG, CHINA • MAY 2021 - AUGUST 2021

Data Analyst Intern

- Identified high-potential development sites by analyzing demographic, economic, and geographic datasets.
- Automated data extraction and cleaning using **Excel VBA**, streamlining the integration of raw property, demographic, and market data and reducing manual pre-processing time by **30%**.
- Utilized **SQL** to join multi-source datasets to create a unified database for in-depth site evaluation and **ROI analysis**.
- Designed interactive **Tableau** dashboards to visualize development costs, revenue forecasts, and risk scenarios, helped clients avoiding low-margin projects.

University of California, Irvine • **Texera**
IRVINE, CA • MAY 2024 - AUGUST 2024

Software Engineer Intern • *Department of Computer Science*

- Worked on an open-source program developing a collaborative AI/ML using workflows for high school students.
- Developed a searching engine with **Scala**, prioritized workflows from **SQL server** database by name and date.
- Implemented real-time preview mini map using **Angular**, enhanced UI with **HTML**, **CSS** and **Typescript**.

Projects

Data Analytics Project on Spotify & YouTube Music • **NYU**
FEBRUARY 2024 - PRESENT

- Cleaned and structured a dataset over 20,000 music tracks from Spotify and YouTube by using **Oracle SQL**.
- Delivered data-driven recommendations for studios by analyzing breakout features linked to commercial success.

Data Warehouse Project • **Self-Directed**
March 2025

- Designed and implemented a three-tier data architecture (Bronze, Silver, Gold) to ingest, cleanse, and model ERP and CRM datasets using **MSSQL Server**.
- Developed robust **ETL pipelines** to transform raw source data into business-ready star schema models, supporting analytical queries on customer behavior, product performance, and sales trends.

Skills

Domains: Data Analytics • Data Science • Data Engineer • Software Engineering • Business analytics • Teaching
Tools: Tableau • PowerBI • Oracle • Microsoft Office (Advanced Excel VBA) • Azure (AZ-900 Certificate) • AWS
Programming Languages: SQL • Python • R • Javscript (React, Angular) • HTML/CSS • C++ • Java • Standard ML • Scala