

# Lisa (Jianing) Yu

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

## Experience

### University of California, Irvine • Texera

IRVINE, CA • MAY 2024 - AUGUST 2024

Software Engineer Intern • Department of Computer Science

- Designed and implemented workflow detail web page in AngularJS, with live workflow preview and interaction features, such as share, likes, copy and paste.
- Released internal tool to external clients as a community hub site, with potential to increase users by 80%.

### E-Strategy Inc. • IT Consulting Firm

CHICAGO, IL • OCTOBER 2023 - APRIL 2024

Software Engineer Intern

- Built an entire ticket system front page using ReactJS, providing convenient and accessible page for clients to report difficulties they encountered.
- Discovered and fixed a bug in functional testing impacting 10% of users, maintaining high performance on large datasets.
- Frequently communicated with stakeholders, collected their feedback, and iterated our systems.

### World Union Group Inc.

SHANDONG, CHINA • MAY 2023 - AUGUST 2023

Data Analyst Intern

- Utilized Excel, Python, & SQL to analyze financial models, assessing project feasibility, resulting in informed decision-making.
- Implemented automated data cleaning processes in Python, reducing 20% data errors optimizing data accuracy and operational efficiency.
- Collaborated with team to gain insights into sources of human errors, providing feedback for improved data accuracy and reliability.

## Projects

### Spotify & YouTube Music Analytics Project • NYU

FEBRUARY 2024 - PRESENT

- Cleaned and structured a dataset over 20,000 music tracks from Spotify and YouTube by using complex 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:** Software Engineering • Web development • Data science • Database design • Business analytics • Teaching

**Tools:** Tableau • PowerBI • Oracle • Microsoft Office (Advanced Excel VBA) • Azure (AZ-900 Certificate) • AWS

**Programming Languages:** SQL • Python • Javascript (React, Angular) • HTML/CSS • C++ • Java • Standard ML • Scala