

Tiffany Lo

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[linkedin](#) | [github](#) | [portfolio website](#)

TECHNICAL SKILLS

- **Programming Languages:** Python (Pandas, NumPy, Sk-Learn, Matplotlib, SciPy), R (Markdown, TeX)
- **Database:** SQL (MS SQL Server)
- **Data Visualization:** Tableau, PowerBI, Visio, Excel (Pivot Tables, Conditional Formatting, VLOOKUP)
- **Other Technologies:** SPSS, JMP, Jupyter
- **Languages:** English, Mandarin Chinese

PROJECTS

Data Professionals Survey Dashboard

February 2024

- Developed visually engaging dashboards using **PowerBI** to showcase findings from a comprehensive survey of over 600 data professionals.
- Employed **R** for data transformation and cleaning, resulting in 15% improvement in data validity.
- Delivered valuable insights into data professionals' quality of life, occupation trends, and salary distributions.

COVID-19 Data Analysis

December 2023

- Utilized **SQL (SMSS)** for data cleaning on a dataset with over 375,000 COVID-19 cases.
- Optimized reporting time by 25% through advanced SQL queries for data exploration and preprocessing.
- Created a dashboard with 8 visualizations in **Tableau** to showcase statistical trends and patterns, with a focus on infection rates, death rates, and geographical spread.

Myocardial Infarctions (MI) in Patients

January 2022 – May 2022

- Analyzed 1,700 medical patients using **Python** to predict MI complications based on patient information.
- Boosted data accuracy by 12% through comprehensive data processing.
- Applied regression, classification, and machine learning to produce a final model with an accuracy of 85%.
- Aggregated and visualized the data by using **pandas** and **matplotlib** to compile a professional report.

WORK EXPERIENCE

Data & Research Analyst

December 2022 – Present

The University of Texas at Dallas – Richardson, TX

- Analyze qualitative and quantitative data for research using **SPSS** and **Excel** to extract valuable insights.
- Conduct literature reviews to inform and support research across diverse topics.
- Contribute to the development of a scholarly publication, "Exploring Social Learning in Collaborative Augmented Reality with Pedagogical Agents as Learning Companions," approved for publication by the International Journal of Human-Computer Interaction (2023).

Server

October 2019 – Present

Zen Sushi & Grill – McKinney, TX

- Expand customer base by 30% through team collaboration, interpersonal skills, and clear communication.
- Demonstrate excellent customer service with attentive and personalized interactions.
- Proactively address and resolve customer concerns and conflicts promptly.
- Assist in training new team members, offering guidance on menu items and service protocols.

EDUCATION

Bachelor of Science in Data Science, Minor in Business Intelligence and Analytics

GPA: 3.77

The University of Texas at Dallas – Richardson, TX

May 2023