

Li Tian

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EDUCATION

Columbia University in the City of New York, New York, U.S.	08/2023 – 05/2025
M.S. in Biostatistics	
The College of Wooster, Ohio, U.S.	09/2018 – 05/2022
B.A. in Mathematics	

TECHNICAL SKILLS

Engineering: Python, R, SQL, SAS, MySQL, C, PyCharm, Git

Data Visualization & Analytics: Tableau, Power BI, Excel, ggplot2, Pandas, NumPy, LaTeX, Stata, Adobe Illustrator

PROFESSIONAL EXPERIENCE

Data Analyst Intern | Convoloo, CA, USA 02/2025 – 04/2025

- Analyzed large-scale **logistics** data using Python (pandas, NumPy) and MySQL, identifying high-risk customer segments, and reducing exclusion costs by 80% through K-means clustering and cohort behavior analysis.
- Automated data **pipelines** and designed **A/B tests** to evaluate and refine retention strategies, leading to a 25% increase in engagement among target customer groups and enabling real-time performance monitoring.
- Developed an end-to-end stock trend analysis tool in Python, integrating **ARIMA** forecasting, pattern recognition via **automated trendlines**, and **FinBERT-based sentiment** analysis to evaluate market signals across NVIDIA, Meta, and Apple, helping the team identify optimal entry points and refine trading strategy proposals.

SAS Programmer Intern | Servier Pharmaceuticals, Beijing, China 06/2024 – 08/2024

- Used SAS to clean and analyze 100K+ clinical trial records, applying frequency checks, logic validation, and outlier detection to improve data accuracy by 30%.
- Created **Excel dashboards** based on cleaned datasets to monitor data quality and protocol adherence, enhancing visibility and cross-team communication.
- Contributed to the **Phase 3 clinical protocol** for a glioblastoma drug by summarizing site-level metrics and visit consistency, helping reduce review revisions by 20%.

Investment Data Analyst Intern | Everbright Securities, Beijing, China 10/2022 – 01/2023

- Used **Python** and **SQL** to collect and organize financial statement data from major local banks, analyzing investment allocation across primary and secondary markets.
- Used **Tableau** to build dashboards that visualized key financial metrics, enabling insights used in 5+ internal strategy reports.
- Used desktop research and policy review to study the Lehman Brothers bankruptcy and U.S. resolution mechanisms (e.g., OLA), and compared public pension systems across selected countries.

ACADEMIC EXPERIENCE

2024 League of Legends World Championship Analysis | *SQL, Data Engineering*

- Designed an **entity-relationship schema** and built a MySQL database to organize player, champion, and match-level data.
- Applied advanced SQL (joins, subqueries, window functions), clustering, and correlation analysis to uncover trends in win rates, ban/pick patterns, and team synergy.

Metabolic Syndrome & Cognitive Function Analysis | *SAS, Statistical Modeling*

- Built SAS macros and used **frequency, linear, and logistic regression** procedures to identify key metabolic predictors (e.g., waist circumference, glucose) of cognitive impairment.
- Created forest plots to visualize odds ratios, improving result clarity and reducing reporting time by 25%.

COVID-19 Severity Prediction | *R, Machine Learning*

- Cleaned and engineered patient data (e.g., missing value imputation, encoding, normalization), improving model stability and reducing preprocessing time by 40%.
- Developed and tuned multiple classifiers (**Logistic Regression, Random Forest, XGBoost, SVM, k-NN**), achieving a 12% lift in AUC-ROC through grid search and cross-validation.

Subscriber Growth Forecasting & Dashboarding | *R, Predictive Modeling, BI Tools*

- Engineered a multi-page R Markdown dashboard with interactive charts (**plotly, leaflet, ggplot2**) and YAML-structured layout to visualize subscriber trends across regions and content categories.
- Applied **linear regression** and **time series models** to identify growth drivers, improving forecast accuracy by 20% and reducing manual analysis time by over 60%, supporting data-driven content strategy decisions.