

# Jinmin Li

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## SUMMARY OF QUALIFICATIONS

Detail-oriented and analytical data professional with hands-on experience in insurance, telecommunications, and enterprise software industries. Proven ability to extract, clean, and analyze large-scale datasets using SQL, Excel, and Python to generate insights that drive operational efficiency and business decisions. Skilled in developing interactive dashboards and performance tracking tools using Power BI and Tableau to support cross-functional stakeholders. Demonstrated success in process optimization, regulatory reporting, and user behavior analysis across multiple real-world projects. Strong foundation in business logic, data modeling, and cross-team collaboration built through three diverse and results-driven internships.

## EDUCATION & CERTIFICATE

**Master of Data Analytics, Western University** Expected 08/2026  
**Specialization:** Finance, Banking and Insurance  
**Relevant Courses:** Machine Learning, Monte Carlo Simulation, Reinforcement Learning, and Data Analytics Consulting  
**Honours Bachelor of Science, University of Toronto** 09/ 2021 –06/2025  
**Specialization:** Statistics Major and Economics Major  
**Relevant Courses:** Regression Analysis(A-); Survey Sampling (A+); Applied Statistics(A); Time Series(A-)

## INTERNSHIP EXPERIENCE

**Financial Data Analyst Intern, China Life Insurance Co., Finance Department, Guangzhou, China** 06/2025 – 08/2025

- Merged daily policy-level premium, claims, and reserve transactions across 12 insurance products using **Excel Power Query** to produce compliant monthly variance reports used in financial close and regulatory review.
- Maintained Excel-based reserve forecast models by adjusting lapse rates, mortality assumptions, and discount curves to support IFRS 17 liability measurement and quarterly solvency margin planning.
- Developed Python ETL scripts to extract five years of historical claim and premium data by product and channel, embedding null handling and business-rule validation to improve cash flow projection accuracy.
- Redesigned **Power BI dashboards** to track sales volume, channel profitability, and loss ratios across five major distribution channels, enabling senior managers to monitor product performance in real time.
- Conducted drill-down analysis on changes in underwriting margin, investment yield, and reserve strain by product line to support quarterly profitability reviews and executive reporting.

**Data Analyst Intern, China Comservice, Guangzhou, China** 05/2023 – 09/2023

- Queried and analyzed 800,000+ rows of fiber network maintenance records using **SQL** to identify fault hotspots by location and time, enabling dispatch teams to prioritize high-risk zones and reduce downtime.
- Designed **Tableau dashboards** to monitor real-time progress, budget variance, and resource allocation across 40+ telecom infrastructure projects, improving project manager visibility and on-time delivery rate.
- Investigated broadband installation delays by analyzing order-to-completion timelines, technician schedules, and SLA breach cases using **Excel**, supporting process redesign to reduce average installation time by 18%.
- Created **Tableau reports** using 3 million rows of mobile user data (app usage, traffic volume, peak hours) to identify network congestion patterns and support regional capacity planning decisions.

**Business Analyst Intern, Yixun Technology, Guangzhou, China** 05/2022 –06/2022

- Used **Excel** to analyze end-to-end transaction workflows and compliance checkpoints across 5+ business modules, helping define validation rules and reduce data entry errors in the client-facing tracking portal.
- Conducted **Python**-based analysis of access logs and clickstream data to identify high-drop-off pages and long page load times, supporting UX changes that cut average query time and reduced support tickets by 20%.
- Built a standardized document tagging and categorization system in **Excel** by analyzing file usage frequency and retrieval duration, improving cross-module search efficiency and enhancing audit traceability.

## PROJECT

**SpaceX Launch Analysis, IBM Data Science Professional Certificate** 10/2025

- Built an end-to-end data pipeline using APIs and web scraping (Requests, BeautifulSoup, Pandas) to collect and clean SpaceX launch data, integrating 150+ records for analysis-ready datasets.
- Conducted exploratory analysis using SQL in Python and developed interactive tools with Folium and Plotly Dash to visualize launch sites, payload success patterns, and mission outcomes.
- Applied classification models (Logistic Regression, SVM, Decision Tree, KNN) with GridSearchCV and cross-validation, achieving ~80% accuracy in predicting landing success and identifying key performance drivers.

## SKILLS

**Technical Skills:** Strong in Python (pandas, matplotlib, scikit-learn), SQL (MySQL/BigQuery), R, Excel (Power Query, VBA); interactive dashboards, visualizations (Tableau/Power BI); Experienced in combining technical skills into business insights