Pierre Zhang

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ABOUT MYSELF

Analytical Data/Business professional (DA/BA/DS track) with hands-on experience across **SQL pipelines, Python (pandas), R,** and **Power BI/DAX**. Built end-to-end dashboards, automated reconciliations, and enforced **data quality/RLS** for compliant reporting. Comfortable with **MySQL, Excel/VBA, Power Query, and Metabase**. Projects span geospatial analytics, k-means clustering, and regression modeling with **AIC/BIC** diagnostics. Strong at **stakeholder** requirements, translating business questions into measurable metrics, and delivering insights that shorten cycles, reduce errors, and inform decisions.

SKILLS

- **SQL & Relational Databases —** MySQL; design queries, joins, CTEs; build reports and ETL-style extracts with data quality checks.
- **Python (pandas) —** Automate data cleaning, reconciliation, feature prep; visualize and analyze large datasets efficiently.
- **R (tidyverse) —** Regression (OLS, Ridge, Lasso), diagnostics (AIC/BIC), forecasting basics and statistical testing.
- **BI & Dashboards —** Power BI, DAX, Power Query, Metabase; row-level security; KPI modeling; geospatial maps.
- **Excel & VBA —** Pivot Tables, automation macros; advanced formulas for reconciliation, trend, and variance analysis.
- **Data Quality & Governance —** Validation rules, anomaly detection, audit trails; compliant reporting and RLS practices.
- **Communication & PM —** Requirement gathering, stakeholder updates, executive reporting; translate business questions into metrics and actions

EDUCATION AND TRAINING

Bachelor of Science (Honours) in Mathematics (Major), Statistics (Minor)   **Graduated 06/2025**
University of Toronto | Toronto, ON

WORK EXPERIENCE

Quality Control Associate   **07/2025 – Present**
Clutch Technologies Inc | Mississauga, ON

- Conduct functional and visual quality inspections per **SOP**; log defects using standardized labels in line with work standards.
- Built an automation tool that **cut** QC report generation **from 15 minutes to 3 minutes**, improving throughput and consistency.
- Partner with **Production/Strategy/QA**; use **Metabase** dashboards daily to check progress and support QC tracking.
- Maintain meticulous documentation in **Google Sheets**; provide monthly team data via Pivot Tables; clear cross-team communication; detail-oriented, safety-first, dependable in fast-paced operations.

Power BI Developer Intern   **09/2024 – 12/2024**
Shandong Eagle Software Technology | China

- Built **3 end-to-end Power BI dashboards** that cut monthly financial-analysis cycle time by **20%.**
- Automated daily reconciliation processes using **Python**, reducing effort by 30% and cutting error rates in half, with documented logic for reproducibility.
- Implemented **row-level security (RLS)** in Power BI to ensure 100% client data compliance.
- Delivered weekly executive reports that led to 3 major process optimizations with a **25% faster** turnaround for claims.

Data Analyst Intern   **05/2024 - 08/2024**
Weihai Bank | China

- Analyzed **10,000+** daily financial transactions using SQL and Excel, enhancing fraud detection efficiency by 20.5%.
- Designed **3 Power BI heatmap** dashboards integrated with **SQL** to support high-impact risk assessment.
- Performed data cleaning on **MySQL** datasets **(1.2M+ records)**, achieving **98.6%+ accuracy**.
- Conducted trend and variance analyses on monthly transactions, supporting data-driven executive forecasting.