

Yulin Zhang

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SUMMARY OF QUALIFICATION

- Skilled in R, Python, SQL, and Excel with experience in data analysis, modeling, and problem-solving.
- Proficient in Power BI and Tableau.
- Fluent in both English and Mandarin, allowing me to assist a diverse range of customers effectively.
- Strong attention to detail and ability to work effectively under pressure.
- Able to adapt to new tools and technologies with a strong eagerness to learn.

EDUCATION

Bachelor of Mathematics (Honours) in Statistics, Minor in Computing, *University of Waterloo* 12/2024
Waterloo, ON

WORK EXPERIENCE

Sales and Customer Service Associate, *PP Pet* 06/2025 – Present
Toronto, Canada

- Developed strong interpersonal and communication skills through daily in-store customer interactions and product recommendations.
- Provided customer service for the store's online platform, including handling inquiries, processing orders, and resolving issues via chat and email.
- Assisted in online marketing efforts, including product promotion and content updates on e-commerce platforms and social media.
- Utilized Excel and Google Sheets to manage order fulfillment, prepare shipment lists, and coordinate product packaging and delivery.

Warehouse Management & Data Analyst Intern, *RongQing Machinery Manufacturing Co.* 05/2021 – 08/2021
Hubei, China

- Managed warehouse inventory, ensuring accurate tracking and timely delivery of mechanical products.
- Conducted statistical analysis on mechanical product data to identify trends and improve supply chain efficiency.
- Optimized storage space and reduced operational costs through data-driven strategies.

IT Support Assistance, *YiZhan Optoelectronics Co.* 07/2019 – 08/2019
Hubei, China

- Organized and managed company files, ensuring quick retrieval and secure data storage.
- Performed routine computer maintenance and troubleshooting, improving equipment reliability and performance.

PROJECTS

Time Series Analysis of Wheat Flour Production in Canada, *University of Waterloo* 12/2024

- Analyzed 20 years of monthly wheat flour production data from Statistics Canada.
- Conducted time series decomposition and variance homogeneity testing using the Fligner-Killeen test.
- Applied and compared multiple forecasting models including:
- Unregularized and regularized regression models (LASSO, Ridge, Elastic Net) with trend and seasonality.
- Exponential smoothing methods (Simple, Double, Holt-Winters).
- SARIMA models with seasonal and regular differencing.
- Evaluated model performance using Average Prediction Squared Error (APSE) and residual diagnostics.
- Selected an optimal forecasting model based on predictive accuracy and residual behavior.

Statistical Analysis Report of Correlation Between the IQ of Children at Age 6-11 and Different Air Pollution Groups, *University of Waterloo* 12/2022

- Conducted multiple linear regression analysis to explore relationships between predictor variables and a response variable.
- Performed model selection using stepwise AIC, checked multicollinearity via VIF, and validated assumptions using residual plots and Q-Q plots.
- Implemented log transformation and interaction terms to improve model fit.
- Interpreted regression coefficients and assessed model diagnostics to ensure robustness and predictive reliability.