

Jiawei(Blake) Zhou

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EDUCATION

Northeastern University

Master of Science in Computer Science

University of Wisconsin-Madison

Master of Science in Economics

University of Illinois at Urbana-Champaign

Bachelor of Science in Econometrics & Quantitative Economics

Vancouver, BC

Jan. 2023 - Apr. 2024

Madison, USA

Sept. 2019 - Dec. 2020

Champaign, USA

Jun. 2017 - May 2019

SKILLS

Languages: Python, Java, SQL, R, TypeScript, JavaScript/HTML/CSS, XML, JSON

Data Analysis & Engineering: Regression, Clustering, Model Evaluation, ETL Development, Data Cleaning, A/B Testing

Collaboration & Tools: AWS, Microsoft Azure, Snowflake, Boomi, Power BI, Tableau, Looker, Git, Jira, Confluence

PROFESSIONAL EXPERIENCE

ND Supplies Inc.

Logistics & Data Analyst

Vancouver, BC

Dec. 2024 – Present

- Collaborated cross-functionally to translate business needs into data requirements; developed and optimized SQL queries and Power BI dashboards using NetSuite ERP and 3PL warehouse data to support reporting on inventory, logistics, and ops KPIs.
- Ensured data accuracy, consistency, and governance across sources by performing data profiling, validation, and mapping; drove process improvements in inventory tracking and reporting through rule definition and automation initiatives.
- Supported strategic decision-making by delivering clear, stakeholder-tailored insights; worked with internal teams to measure analytics impact, improve data quality, and promote adoption of data-driven culture across departments.

Siu & Sons International Trading Corporation

Import Coordinator

Vancouver, BC

June 2024 – Dec. 2024

- Managed end-to-end international procurement and logistics operations using SAP, including issuing POs, coordinating with overseas suppliers and freight forwarders, ensuring customs compliance, and maintaining accurate inventory.
- Built and maintained dashboards to monitor key logistics KPIs such as container dwell time, customs clearance status, and freight cost per unit, enabling data-driven decision-making across the supply chain team.
- Collaborated with finance and operations to analyze purchase order variances and invoice discrepancies, supporting accounts payable reconciliation and reducing monthly billing errors by streamlining data validation processes.

University of Calgary - Department of Economics

Teaching Assistant (Studied as a PhD student)

Calgary, AB

Sept. 2021 – May 2022

- Assisted professors in developing and delivering an economics curriculum aligned with educational standards, providing feedback and tracking the progress of 300+ students, leading to a 22% improvement in student engagement and performance.
- Prepared teaching materials, organized classroom activities, held weekly tutorial sessions for over 300 students, and provided one-on-one support to reinforce key concepts and support academic success.

Bank of Ningbo Co., Ltd. - Shanghai Branch

Data Analyst

Shanghai, China

Jan. 2021 – Aug. 2021

- Developed predictive models and rule-based systems to detect transaction anomalies, assess fraud risks, and support early warning systems across card payments, ACH, and wire transfers, improving fraud detection and reducing false positives.
- Built and optimized SQL-based dashboards and reporting frameworks to monitor key risk KPIs, enabling leadership and compliance teams to understand fraud exposure, evaluate risk tolerance, and track mitigation tool effectiveness in real time.
- Partnered with product, compliance, and operations teams to investigate fraud incidents, strengthen merchant risk assessment procedures, and align fraud prevention strategies with regulatory requirements and card network risk frameworks.

PROJECTS

Enterprise-Grade BI Platform & ETL Architecture Implementation

Jan. 2025 – Apr. 2025

- Architected and deployed a scalable enterprise BI solution leveraging Snowflake, Power BI, and Azure, delivering near real-time analytics and self-service reporting capabilities across departments.
- Built end-to-end ETL pipelines via Boomi and Azure Data Factory to integrate NetSuite ERP, Extensiv 3PL warehouse system, and e-commerce platforms into a centralized Snowflake data warehouse, with support for incremental loads, schema evolution, and error recovery.
- Established a governed BI framework by standardizing KPI definitions, implementing role-based access control (RBAC), enforcing data quality validation rules, and automating dashboard delivery in Power BI, which significantly improved reporting accuracy and reduced manual effort by over 70%.

PUBLICATIONS

- **Zhou, J.** (2025). *A novel hybrid approach for tornado prediction in the United States: Kalman-Convolutional BiLSTM with multi-head attention*. **Intelligent Decision Technologies**. <https://doi.org/10.1177/18724981251331366>
- **Zhou, J.** (2024). *Predicting stock price by using attention-based hybrid LSTM model*. **Asian Journal of Basic Science & Research**, 6, 145–158. <https://doi.org/10.38177/AJBSR.2024.6211>