

Wenlan (Tony) XIE

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EDUCATION

The University of Sydney

Australia

Master of Data Analytics for Business, with Distinction

03/2021 - 01/2023

- Elective specialization: Data Science in Business & Economics
- Courses: Data Analytics; Micro-Economic; Macro-Economic; Web Crawl; Econometrics

Zhejiang University

China

Business Analytics (Postgraduate Exchange Program), with Distinction

03/2017 - 07/2020

- Courses: Business Analysis; Financial Theory

University of Canterbury

New Zealand

Bachelor of Operations and Supply Chain Management

03/2017 - 07/2020

- Elective specialization: Logistics and Supply Chain
- Courses: Operation Research; Economic; Management; Marketing

PUBLICATIONS

- [1] Tian, H., Sun, K., **Xie, W ***. (2025). From Responsibility to Resilience: How Targeted Poverty Alleviation Strengthens Firms. *Post-Communist Economies*, (SSCI, IF=2.6, JCR-Q2)
- [2] Yu, Z., **Xie, W(Co-first)**., Guo, J., & Yang, Z (2024). Green Effect of Energy Transition Policy: A quasi-natural Experiment Based on New Energy Demonstration Cities. *Finance Research Letters*, 105669. (SSCI, IF=7.6, JCR-Q1)
- [3] Guo, Y., **Xie, W.**, & Yang, Y. (2024). Dual Green Innovation Capability, Environmental Regulation Intensity, and High-Quality Economic Development in China: Can Green and Growth Go Together? *Finance Research Letters*, 63, 105275. (SSCI, IF=7.6, JCR-Q1)
- [4] Zhang, S., **Xie, W.**, Sun, S., Wu, F., Xue., Y. (2024). Nexus of Green Energy Innovation, Governance Quality, and CO2 Emissions in Natural Resource Sector: The role of Sustainable Human Development. *Resources Policy*, 88, Article 104493. (SSCI, IF=10.2, JCR-Q1)
- [5] Dong, W., **Xie, W(Co-first) ***, & Wu, F. (2023). Analysis of New Energy and Environmental Factors and Economic Benefits of Urban Land Use. *Renewable Energy and Power Quality Journal*, 21(5). (Ei Compendex)
- [6] **Xie, W.**, & Tian, H. (2023). The Effect of the COVID-19 Pandemic on Corporate Trade Credit Financing. *Economics Letters*, 232, Article 111339. (SSCI, IF=2.1, ABS-3 Star)

ACADEMIC PAPERS (Peer - Review)

- **Xie, W.** Predicting Movie Success with Multi-Task Learning: A Hybrid Framework Combining GPT-Based Sentiment Analysis and SIR Propagation
- **Xie, W.**, & Tian, H. Short-Term Price Anchors and Future Returns: Evidence from the Chinese Stock Market
- Tian, H., & **Xie, W(Co-first) ***. Integrating Monetary and Environmental Goals: Exploring the Impact of Green Monetary Policy on Corporate Environmental Disclosure
- Tian, H., & **Xie, W(Co-first) ***. Reading Between the Reels: AI-Powered Analysis on Movie Review Sentiment as a Predictor of Market Returns

CONFERENCE PRESENTATIONS

- 2024 IEEE 4th International Conference on Electronic Technology, Communication, and Information, May 24-26, 2024, Changchun, China
- The 12th SIIFC International Conference & the 8th Shanghai-Edinburgh-London-Cape Town Green Finance and Accounting Conference, June 1-2, 2024, Shanghai, China

- INFORMS Marketing Science Conference, June 27-29, 2024, Sydney, Australia
- The 2024 INFORMS Annual Meeting, October 20-23, 2024, Seattle, US
- 5th Vietnam Symposium in Global Economic Issue, October 28-29, 2024, Ho Chi Minh City, Vietnam
- Global Chinese Accounting Association (GCAA) Summit 2024 Climate Change Disclosure, Assurance, and ESG, November 21-22, 2024, Perth, Australia
- The 11th TSFS International Conference in Finance, December 13-14, 2024 Monastir, Tunis
- The 15th International Conference of THE JAPANESE ACCOUNTING REVIEW, December 21, Kobe, Japanese
- 2025 INFORMS International Meeting, July 20-23, 2025, Singapore (Abstract has been Accepted)

RESEARCH AFFILIATIONS

The University of Hong Kong, <i>Faculty of Business and Economics</i>	Hong Kong
<i>Research Assistant - I</i>	11/2024 - Present

- Process and analyze extensive commercial and economic datasets from U.S. corporate disclosures, using Stata and Python for systematic regression analysis
- Conducted significance tests on regression results and presented findings to supervisors for integration into academic papers
- Assisted in the systematic revision and refinement of academic papers, ensuring clarity, structure, and adherence to research objectives
- Performed extensive literature reviews, contributing to the writing and development of literature review sections for ongoing research projects

The Hong Kong Polytechnic University, <i>Department of Building and Real Estate</i>	Hong Kong
<i>Senior Research Assistant</i>	04/2024 - 11/2024

- Collected and analyzed extensive datasets on Chinese prefecture-level cities (210,000+ records)
- Lead authorship of “Smart Urban Forecasting: AdvancedNet’s AI-Driven Approach to Housing Price Prediction in Prefecture-Level Cities.” focusing on the intersection of artificial intelligence, real estate, and urban economic sustainability
- Application of advanced machine learning models to urban economic patterns and housing trends
- Investigated the impact of real estate developments on urban economic sustainability, with a specific focus on the economic dynamics within the real estate sector and broader urban economies

The University of Hong Kong, <i>LKS Faculty of Medicine</i>	Hong Kong
<i>Research Assistant - I</i>	08/2023 - 04/2024

- Develop and maintain the front-end interface for medical photography software
- Led RGB-D (Red, Green, Blue plus Depth) data collection for spinal curvature patients, reducing collection time by 15 hours/week
- Trained CNN model for automated image action recognition, saving 10 hours/week in manual identification
- Enhance database performance and efficiency by optimizing the UI, while also developing a portal site for the experimental group to achieve more intuitive user interaction

China-Australia Chamber of Commerce	Australia
<i>Research Assistant - Inter</i>	06/2022 - 12/2022

- Analyzed financial reports of the Australian government and China’s Ministry of Commerce, identifying data trends and potential economic impacts using various statistical methods
- Utilized Tableau and Python for data integration and mining, enhancing decision-making precision
- Co-authored academic paper with University of Melbourne on China’s Belt and Road Initiative impact on Australian businesses
- Presented research findings at business conferences to expand insights

EMPLOYMENT

Career International Co Ltd

China

Software Engineer

02/2023 - 08/2023

- Led the design and development of template configurations, metric definition platforms, and dimension configuration interfaces, successfully reducing the team's development cycle by 30 workdays
- Employed SparkSQL for big data monitoring and leveraged Yarn for optimized distributed job scheduling
- Successfully identified and reporting over 300 potential issues, improving platform stability and functionality
- Engineered and implemented L3 solutions that seamlessly integrated Order, Inventory, and SaaS Metric Management platforms, enabling the team to complete deployments 20 workdays ahead of schedule

Microsoft Corporation

China

Data Analyst (Logistics Department)

06/2020 - 03/2021

- Collaborated with IT to automate the customs declaration process, saving the team 20 hours weekly
- Optimized transportation routes through data analysis, saving Microsoft \$1.5 million by the end of 2020
- Conducted quarterly data analytics on logistics information to strategize and formulate operational plans for upcoming quarters
- Successfully employed Microsoft's project-based delivery model to identify and execute process improvements, elevating team efficiency by 15%

Hilton Worldwide Holdings Inc.

New Zealand

Intern

12/2018 - 10/2019

- Developed and managed product schedules and timelines to ensure timely delivery of products to customers
- Documented and organized standard operating procedures to enhance efficiency while reconciling daily, weekly, monthly, and quarterly reports, ensuring consistent operations and timely resolution of discrepancies
- Processed store customer deliveries, pickups, transfers, debits, and work orders in a timely manner
- Ensured adherence to processes and procedures to prevent stock loss and maintain inventory accuracy

AWARDS

- International Research Awards on Global Business, Economies, Finance and Social Science 03/2024
- Distinguished Staff Award 08/2023
- Winter 2022 Vice Chancellor's Global Mobility Scholarship 06/2022
- Zhejiang University Global Program Scholarship 05/2022

INVITATION REVIEWER

- Information Processing and Management | ISSN: 1873-5371 | Impact Factor: 7.4
- International Review of Economics and Finance | ISSN: 1059-0560 | Impact Factor: 4.8
- Humanities & Social Sciences Communications | ISSN: 2662-9992 | Impact Factor: 3.7
- Discover Artificial Intelligence | ISSN: 2731-0809 | Impact Factor: 0.6
- Journal of Infrastructure, Policy and Development | ISSN: 2572-7931 | Impact Factor: 1.4

SKILL DESCRIPTION

- Programming Languages: Python, STATA, SQL, LaTeX, JavaScript
- Frameworks: TensorFlow, PyTorch, Keras, Scikit-learn, React Native, Vue3
- Tools and Software: Tableau, SparkSQL, Navicat, JMeter, Yarn, Docker, Git
- Technical: Web Crawler, Textual Analysis, Deep Learning, Data Warehousing
- Languages: Mandarin (Native), English (GRE: Verbal 165, Quantitative 170, Writing 3.5)
- Research Skills: Disciplinary Expertise, Data Analysis, Project Management, Academic Writing