

## Wenlan (Tony) XIE

Tonyxie1997@gmail.com | (+86) 19805995058

Homepage: <https://www.wenlanxie.com>

### 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; Statistics; Econometrics

#### Zhejiang University

China

Business Analytics (Postgraduate Exchange Program), with Distinction

05/2022 - 06/2022

- 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 and Financial Knowledge; Management; Marketing

### PUBLICATIONS AND FORTHCOMING PAPERS

---

- [1] 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)
- [2] 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). (Engineering Index)
- [3] 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)
- [4] 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)
- [5] 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)

### ACADEMIC PAPERS (Peer - Review)

---

- Xie, W. Guiding Smarter Decisions: AI-Driven Framework for Predicting Movie Success and Analyzing Dissemination Patterns.
- Xie, W. 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.
- Kee, T., & Xie, W(Co-first). Smart Urban Forecasting: AdvancedNet's AI-Driven Approach to Housing Price Prediction in Prefecture-Level Cities.

### CONFERENCE PRESENTATIONS

---

- 2024 IEEE 4<sup>th</sup> International Conference on Electronic Technology, Communication, and Information, May 24-26, 2024, Changchun, China
- The 12<sup>th</sup> 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
- 5<sup>th</sup> 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 paper has been accepted for presentation)
- The 11<sup>th</sup> TSFS International Conference in Finance, December 13-14, 2024 Monastir, Tunis (The paper has been accepted for presentation)
- The 15<sup>th</sup> International Conference of THE JAPANESE ACCOUNTING REVIEW, December 21, Kobe, Japanese (The paper has been accepted for presentation)

## RESEARCH AFFILIATIONS

---

### **The Hong Kong Polytechnic University, Department of Building and Real Estate** **Hong Kong**

*Senior Research Assistant*

04/2024 - Present

- Collected and analyzed extensive datasets on Chinese prefecture-level cities (210,000 + records)
- Led 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
- Applied advanced machine learning models, including Long Short-Term Memory (LSTM) and Multi-Layer Perceptron (MLP), to analyze 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, LKS Faculty of Medicine** **Hong Kong**

*Research Assistant I*

08/2023 - 04/2024

- Developed and maintained 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**

*Research Assistant*

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

### **University of Canterbury** **New Zealand**

*Research Assistant*

08/2019 - 12/2019

Project: Emergency Supply Chain Design for Earthquake Preparedness in Christchurch

Methods:

- Conducted an in-depth market and literature review for emergency supply chain best practices
- Analyzed Christchurch's geographical, socio-economic, and infrastructure data using GIS to identify key supply nodes and routes

Research Outcome:

- Utilized IoT technology for rapid damage assessment of facilities and inventory post-earthquake
- This enabling prompt strategic realignment in operational responses to natural disasters

## 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

## REVIEWERS

---

- Journal of Infrastructure, Policy and Development | ISSN: 2572-7931 | Impact Factor:1.448
- Strategies in Accounting and Management | ISSN: 2770-6648 | Impact Factor:1.463
- Journal of Business and Economic Development | ISSN: 2637-3874

## SKILL DESCRIPTION

---

- Programming Languages: Python, STATA, R, SQL, LaTeX, JavaScript, MATLAB, HTML/CSS
- Frameworks: TensorFlow, PyTorch, Keras, Pandas, NumPy, Scikit-learn, Matplotlib, React Native, Vue3
- Tools and Software: Tableau, SparkSQL, Navicat, Postman, JMeter, Yarn, Docker, Git, MobaXterm
- 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