Yisong Brian Wang

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EDUCATION

Peking University, the School of Economics, Beijing, China
PhD Economics, *expected* Jun 2026.
Committee: Xuezheng Qin (Chair), Christopher Davis, Castiel Chen Zhuang.
ibid. first-year BSc Economics, Jun 2016 (Grades: 3.9/4, #1).

University of Oxford, Institute of Population Ageing, Jesus College, Oxford, the UK
Academic Visitor, joint training PhD program, Apr 2025.

University of Glasgow, the Adam Smith Business School, Glasgow, the UK
MRes in Theoretical Economics, Jun 2021.

University of Cambridge, the Faculty of Economics, Trinity College, Cambridge, the UK
BA Hons., MA in Economics, Jun 2019. (Jardine Scholar)

RESEARCH INTERESTS

Welfare Economics, Health Economics, Labour Economics, and Applied Microeconomics.

WORKING PAPERS

"On the Non-linear Relation between Health Literacy and Healthcare Spending"　　Jul 2025
This paper theorized and quantifies the impact of health literacy in a Grossman human capital framework. I constructed a model for health literacy and simulate the value function of the accumulation path. We merge first-hand to census data to test how health literacy explains concurrent health improvement and expenditure decrease.

"Estimating Risk Attitude in Health: A Structural Hospital Choice Model"　　Jul 2025
This paper studies the different risk attitude displayed in health decision compared to financial decisions. We develop a structural model of the hospital decision process and employed computational methods to estimate the absolute risk aversion coefficient displayed during the process. The work is currently under progress.

"Digital Health Technology, Effective Labour Supply, and Growth of Population Health"　　Jul 2025
This paper develops a novel endogenous growth model incorporating digital health technologies and health-related data. We show digital health technology can offset the economic drag from population ageing. Theoretical and numerical results highlight the key roles of data permeability, health literacy, and policy interventions.

"Pension, Health Investment and of Labour Market Entries/Exits"　　Jul 2025
This paper compares the impact of pension on both health investment and retirement decision for elderly. We proposed an optimal design of pension that motivates the most health investment and best for labour market.

"Digital Equipment and its Impact on the Elderly: An International Comparison"　　Jan 2025
This paper studies the influence of using digital health technology in improving the health. We use harmonized data from China's CHARLS and the UK's ELSA and apply PSM to identify the impact of digital access and usage, highlighting cross-country differences and policy implications.

RESEARCH IN PROGRESS

"GPs on the Brink: Physician Shortage in NHS England"　　started Jan 2025
Received funding from University of Oxford, Institute of Population Ageing

"The Impact of Climate Change on Fishery Industry in South Pacific Countries"　　started Jul 2024
Received funding from Peking University and Fiji Ministry of Fishing and Forestry

"Fair Division Problems of Indivisible Goods"　　started Jan 2022
Received Adam Smith award from the Adam Smith Business School, University of Glasgow

POLICY RESEARCH EXPERIENCE

Early Career Researcher, <u>IARU-Ageing, Health and Longevity</u>   University of Oxford, 2025 –
Economist, <u>IMF Resident Representative Office (China)</u>   IMF Beijing, 2025 –
(*Certificate in International Organization Professionals & International Communication Program,* 2024)
Economist, <u>Research Centre for Market Economy</u>   Peking University, 2022 –
Economist, <u>PKU *Belt-and-Road Initiative* Team to South Pacific Island Countries (SIDS)</u>   Fiji, 2024

TEACHING

Lecture Associate, Data Structures, Department of Computer Science   NYU Shanghai, 2021 – 2022
Lecture Associate, Natural Language Processing, Dept. Computer Science   NYU Shanghai, 2021 – 2022
Teaching Assistants:
    Undergraduate: Intermediary Microeconomics and Macroeconomics (Cambridge), Programming in Economics, Linear Algebra (PKU)
    Master: Computational Macroeconomics, Advanced Microeconomics (Glasgow), Sustainable Development & Economic Policy (PKU), Applied Econometrics & Programming in Stata (UChicago)
    (*Received Adam Smith Business School Graduate TA of the year, University of Glasgow*)
    PhD: Advanced Econometrics I (PKU)

UNIVERSITY SERVICE

Assistant Coordinator, iGHD-SoE Labour and Health seminars   Peking University, 2023 – 2024
Assistant Convener, *Adam Smith Tercentenary* Seminar   University of Glasgow & PKU, 2023
Liaison, the 5th & 12th *La Jeunesse* Young Economists Seminar   Peking University, 2023 & 2016

RESEARCH ASSISTANT

Research Assistance for Professors: projects for labour matching in computational macroeconomics, wealth inequality in the UK and OECD countries, stable bilateral matching in US college admission.
Computer skills: Extensive programming experience including Python, MATLAB, C, Stata, Julia, Linux Bash, R, SQL, HTML, Java; LaTeX, Markdown, Gitlab, GitHub, GPT Queries, MS Office
English proficiency: Bilingual (GRE: V161 Q169 A4.0), Certificated translator (CATTI certificate)
               Translated and annotated Bloom et.al. (2020) to Chinese as invited by Jilin University.
               Published an article on Bayesian learning for an adolescent popular science journal

PROFESSIONAL EXPERIENCE

Ernst & Young LLP, **Audit and Assurance Department**   London, 2021
Audit Associate I, Retail and Transportation Group Services
Audited a multinational transportation company with 100+ subsidiaries and warehousing operations across China and Europe; conducted consolidated financial reviews under IFRS, including intercompany eliminations and complex worksheet tracking; performed detailed process walkthroughs on inventory, logistics, and fixed assets; supported cross-border coordination and contributed to final audit reporting.
(Qualified ACCA professional with international audit and reporting experience.)

Bureau of Economy & Information Technology, Shijingshan District   Beijing, 2023
Research Assistant, Digital Economy and Private-Public Partnership (PPP) Office
Research and fieldwork for the district's Digital Economy White Paper, synthesizing industrial surveys, enterprise interviews, and policy analysis into actionable insights; collaborated with local PPP offices to assess digital infrastructure readiness and propose strategic development guidelines.

China International Capital Corporation (CICC)   Beijing, 2024
Intern Pension Investment Analyst, Research Sales Team
Conducted research on pension fund allocation strategies in China's A-share market, with a focus on long-term value investing and optimal debt-equity structure in aging-related sectors. Assisted in investment analysis and portfolio structuring to support fund issuance. Participated in cross-departmental coordination and legal cooperation activities related to pension product development and regulatory compliance.