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Research School of Economics

Australian National University

Copland Building 2106

Canberra, Australia

RESEARCH INTERESTS

Inequality, macroeconomic dynamics, computational economics, Markov dynamics, dynamic programming, and reinforcement learning in economics.

QUANTECON

QuantEcon, Lead Developer

2026–present

QuantEcon, Developer

2024–2025

EDUCATION

PhD in Economics, Australian National University, Research School of Economics, Canberra, Australia

2025–present

Master of Economic Analysis, The University of Sydney, Sydney, Australia

2023–2024

Thesis: *How Important are Sectoral Shocks in Australia?*

Supervisors: James Morley and Mariano Kulish

Bachelor of Economics, Economics and Finance, The University of Sydney, Sydney, Australia

2018–2023

RESEARCH PAPERS

The Empirical Content of Revealed Preference in High Dimensions

2026

Ian Crawford and Longye Tian. Working paper. arXiv: 2605.29361; SSRN DOI: 10.2139/ssrn.6880903.

How Important are Sectoral Shocks in Australia?

Longye Tian and James Morley. Revise and resubmit, *Australian Economic Review*.

AWARDS AND SCHOLARSHIPS

ANU University Research Scholarship (International), Australian National University

2025–present

ANU HDR Fee Merit Scholarship, Australian National University

2025–present

University of Sydney Academic Merit Prize, The University of Sydney

2022

University of Sydney Academic Merit Prize, The University of Sydney

2019

Dean's List of Excellence in Academic Performance, The University of Sydney

2019

Frank Albert Prize for Third Year Economics, The University of Sydney

2019

Donald George Crew Memorial Prize for Economics III, The University of Sydney

2019

Geoffrey Dale Prize for Third Year in the Faculty of Economics and Business, The University of Sydney

2019

Dean's List of Excellence in Academic Performance, The University of Sydney

2018