

Taylor Ey

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Key Summary

AI Engineer and economists specialising in the technical design and deployment of agentic AI solutions and automated workflows. Currently developing AI agents for econometrics with the HILDA survey and Neuro-Symbolic Agentic AI for causal reasoning.

Education

Master of International and Development Economics — The Australian National University — 2020–2022

Specialisation in Intangible Capital, International Trade, and Causal Development Policy.

Bachelor of International Relations and Bachelor of Business — Flinders University — 2015–2019

Professional Work Experience

AI Engineer – Melbourne Institute of Applied Economic and Social Research — Sep 2025 – Present

Developed and deployed AI agents to automate research and knowledge work. Engineered a recursive ‘Search As Code’ RAG agent for Q&A with ASX corporate annual reports, a hierarchical zero-shot AI classification algorithm with uncertainty quantification, and an AI data analyst agent specializing in the HILDA survey. Maintain on-premises AI computing infrastructure for sensitive data processing. Advise stakeholders on AI framework integration and cloud deployments

Foundation Fellow – Melbourne Institute of Applied Economic and Social Research — Aug 2022 – Aug 2025

Undertake panel data analysis using the HILDA Survey, examining social, mental health, labour market, and financial outcomes for internal and external stakeholders. Contribute to the preparation of research briefs, the development of survey methodologies, and the writing of academic papers. Maintain the database for a National Randomised Controlled Trial investigating interventions to improve children’s cognitive and health outcomes.

Research Officer – Development Policy Centre — Feb 2022 – Aug 2022

Compiled and curated socio-economic and political datasets relevant to institutional development economic research. Conducted literature reviews (academic and grey) concerning Papua New Guinea’s (PNG) economic history. Contributed to the compilation and analysis of PNG’s economic indicators.

Data Analyst Intern – Department of the Premier and Cabinet, Government of South Australia — Aug 2018 – Sep 2018

Prepared briefs on South Australia’s bilateral economic relationships. Assisted in the analysis of international economic data, focusing on trade patterns and investment flows.

Public Policy Intern – U.S. House of Representatives — Jan 2018 – Feb 2018

Conducted policy research on the Tax Cuts and Jobs Act. Prepared daily legislative briefs on

a range of policy issues. Provided administrative support, including handling constituent communications.

Scholarly Works

- Watson, N. and Ey, T. (2026), Comparison of HILDA Survey Estimates With the 2006–2021 Censuses. *Australian Economic Review*, 59: 75-83.
- Wooden, M, Wilkins, R & Ey, T (2025), “Economic, Social and Health Outcomes of the Transgender and Gender-Diverse. Population in Australia”, *Australian Economic Review*, vol. 58(3), pp. 199-210.
- Wooden, M & Ey, T (2023), “Social Media Questionnaire” in Development and Modification of Wave 24 Survey Content and Protocols, September, HILDA Project Report, no. 4/23.
- Tseng Y.P, Coombs C, Fraser S and Ey T. 2025. “EYEP Replication Trial Baseline Report Under- standing the trial participants”. Melbourne Institute of Applied Economic and Social Research.

SEMINARS & CONFERENCE PRESENTATIONS

- 2026 Australian Coreference of Economist – The AI Value Chain
- 2026 Asialink AI Seminar Series – An Overview in the Application of AI
- 2026 Productivity Committee Olympics – Use Cases of AI within Economics
- 2026 Quantlab AI Workshops – Using LLMs with Ontologies for Reliable Automation

Awards

- The Economic Society of Australia (South Australia) Prize in Macroeconomics.
- College of Business, Government and Law Certificates of Excellence for BUSN2040 Macroeconomics, BUSN2022 The Australian Economy, AMST3016 Internship Program: Washington DC, INTR 2016 New Security Agenda, and AMST 3013 The Alliance and the Rise of China.
- Wattle Range Council Hon. Terry Roberts MLC Memorial Student Scholarship.
- Flinders University Student Access Scholarship.
- Department of Foreign Affairs and Trade New Colombo Plan Scholarship.
- Golden Key International Honours Society.

Research Interests

Agentic AI, AI Value Chain, Applied Gen AI, Causal Bayesian Logic, Labour Economics, Public Economics, Retrieval Augmented Generation.