Wei (Herbert) Xin

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EDUCATION

- **Master of Economic Analysis** *Jun 2022 - Dec 2023*
  The University of Sydney, Sydney 83 WAM - 3.8 GPA
- Relevant courses: Advanced Macroeconomics (HD), Advanced Microeconomics (D), Econometric Application (D), Economic History (HD)
- Research Thesis on Monetary, Fiscal Policy and Disinflation

- **Bachelor of Economics (Economics) & Bachelor of Science (Statistics)** *Feb 2018 - Dec 2021*
  University of New South Wales, Sydney Distinction average
- Relevant courses: Microeconomics II (HD), Theory of Statistics (D), Several Variable Calculus (D), Industry Consulting Project (D), Probability and Stochastic Process, Statistical Inference, Statistical Modeling and Computing, Statistical Model in Social and Market Research

PROFESSIONAL EXPERIENCE

- **Research Assistant** *Dec 2023 - Present*
  The University of Sydney On-site
  - Use STATA to clean up the raw data
  - Use R and gather the information and plot it on the map
  - Making slides, tutorial and answer keys using LATEX.

- **Timeline Editor (Part-time)** *July 2022 - Present*
  GCores (Remote) Beijing, China
  - Wrote essays according to program outline and audio.
  - Researched relevant image and applied watermark for the program.
  - Added time stamp to the timeline with relevant content from the essay.
  - Demonstrated great information processing and content creation skills.

- **Commercial Operation** *January 2022 - April 2022*
  Albaugh LLC (On-site) Suzhou, China
  - Managed order requests from the globe and prepared documentations for customs and transportation.
  - Managed order forecast and sent purchasing request to central planning.
  - Analyzed the flaws in current order processing system.
  - Streamlined the order fulfillment process by reducing process steps by 30%.

- **Industry Project Consultant** *September 2019 - November 2019*
  Accenture Australia (On-site) Barangaroo, Sydney
  - Winner of Industry Consulting Project Pitch Fest 2019.
  - Given the requirement of the current client of Accenture in the telecommunication industry, helped the client to find a new business model to cater disruptive technologies.
  - Conducted broad background researches on the telecommunication industry and built a smart MU-MIMO antenna system, allowing the client to fully utilize the new business model.
  - Analyzed and predicted the potential financial impact of the solution by utilizing data collected during researches and built data visualization for the presentation.
  - Demonstrated great problem solving, data analysis, research, and communication skills during the project.

PERSONAL PROJECTS

- **Water Restriction Project**
  UNSW, Sydney
  - Description: Given the data of water usage, temperature, rainfall, water prices and restriction detail from 1996 to 2011 to analyze the impact of current water restriction and justify whether a new restriction is needed.
  - Exploratory data analysis: Built a regression model which predicted the impact of temperature, rainfall, water prices and previous restrictions across different districts using Stata.
  - Policy prediction: Predicted the possible economical impact of various water restriction policies using the model constructed.

    – Presentation: Built comprehensive data visualization to help client understand the impact of current and future policies.

- **Physician's Advice on Alcohol Consumption**

<div align="right">UNSW, Sydney</div>

    – Description: Given the data from the 1990 National Health Interview Survey core questionnaire and special supplements containing alcohol consumption, age, racial, and health data to estimate the effect of physician's advice on alcohol consumption.

    – Model Construction: Constructed CF-Tobit model to predict the effect of physician's advice, individual and socioeconomic factors on alcohol consumption using Stata.

    – Policy prediction: Estimated the result where physician's advice lowers alcohol consumption by 14.35 drinks on average, which suggests physician's advice could be a better policy than alcohol taxes, considering it is much cheaper to implement.

TECHNICAL SKILLS AND INTERESTS

Languages: English, Chinese, Japanese

Programming Languages: R, Dynare, MATLAB, STATA, Python, SQL, Julia, Latex, Maple, Mathematica, Octave, Linux, Markdown, Fortran (learning), Rust (learning)

Tools: VScode, Github, Microsoft Office, Adobe Photoshop, Lightroom, Capture One

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

ADDITIONAL

- Visa status: Student Visa (500) → Working Visa (485)

REFEREES

Ash Marwah

Manager, Strategy and Consulting

Accenture Australia

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Contact detail available upon request