

Oliver Wu

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EDUCATION

Monash University, Australia *Master of Data Science* Feb 2024 – Dec 2025

- **Grade:** High Distinction
- **Research Interests:** Machine & Deep Learning Applications, Time Series Analysis, Statistical Modelling
- **Supervisors:** Dr. Angus Dempster, Dr. Christoph Bergmeir, Prof. Daniel Schmidt

University of Melbourne, Australia *Bachelor of Commerce* Aug 2020 – Dec 2023

- **Quantitative Subjects:** Linear Algebra, Calculus, Probability, Statistics, Econometrics, Time Series Analysis and Forecasting

RESEARCH EXPERIENCE

Research Assistant *Monash Temporal Analytics Lab* Feb 2024 – Present

- Participated in weekly research group meetings and reading sessions on advanced time-series and machine learning topics.
- Collaborated with researchers to exchange feedback on ongoing projects and explore interdisciplinary applications of time-series modelling.

Master Thesis *Combining Bayesian Inference with Prior-Fitted Network for Time Series Forecasting*

- Conducted a literature review on forecasting models and learning methods.
- Developed a model capable of generating synthetic time-series data for training and evaluation.
- Designed and implemented a Prior-Fitted Network (PFN) for zero-shot forecasting using Bayesian priors.

PROJECTS

Interactive Dashboard: Economic & Migration Analysis [Link](#)

- Developed an interactive dashboard visualising economic indicators and migration trends between Australia and the USA.
- Integrated multiple datasets to analyse relationships between trade, GDP growth, and cross-country population movements.
- Designed dynamic visualisations for comparative and time-series analysis to support data-driven insights.

SKILLS

- **Programming:** Python, R, SQL
- **Technical Knowledge:** Machine Learning, Bayesian Inference, Probabilistic Modelling, Deep Learning, Reinforcement Learning, Time Series Forecasting
- **Soft Skills:** Research communication, Teamwork, Mentoring, Presentation, Attention to detail
- **Languages:** English, Mandarin

LEADERSHIP EXPERIENCE

Peer Mentor *Monash University* Feb 2025 – Jun 2025

- Organised and led weekly mentoring sessions to guide first-year students for their development.
- Hosted social and networking events to strengthen peer connections.
- Demonstrated leadership by providing engagement, team coordination, and student support.

Student Ambassador *Monash University English Connect* Aug 2024 – Jun 2025

- Hosted social and networking events to promote intercultural engagement and student inclusion on campus.
- Volunteered at university outreach programs, supporting student communication and community-building initiatives.
- Facilitated language exchange activities to enhance cross-cultural understanding among international and local students.

WORK EXPERIENCE

Space Utilisation Auditor *Monash University* Mar 2024 – Oct 2025

- Collected classroom and facility usage data across university buildings.
- Ensured accuracy and consistency of recorded data.
- Contributed to campus planning by providing reliable utilisation insights.

Project Intern *Sterlite Technologies* Jul 2025 – Aug 2025

- Conducted analysis of fibre-optic infrastructure to inform U.S. market strategy for Sterlite Technologies.
- Prepared marketing and competitive research reports on telecom products and industry trends.
- Supported business development initiatives through data collection, documentation, and presentation of market insights.

Research Intern *Business Council for Sustainable Development Australia* Dec 2022 – Mar 2023

- Prepared research reports and briefing documents on sustainability and industry developments.
- Collected and analysed news and policy data to support ongoing research initiatives.
- Participated in weekly team meetings, contributing insights and progress updates on assigned topics.