




Yueqing Xuan

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EDUCATION

PhD in Computer Science, RMIT University Aug 2022 – Now

- **Supervisors:** Assoc Prof Jeffrey Chan and Prof Mark Sanderson.
- **Scholarship:** Recipient of the *Australian Research Council (ARC) Centre of Excellence for Automated Decision-Making and Society (ADM+S)*.
- **Research Focus:** Explainability and fairness in Machine Learning and Recommender Systems.

Master of Information Technology, University of Melbourne Feb 2020 – Jul 2022

- **Specialisation:** Artificial Intelligence.
- **Supervisors:** Dr Lea Frermann and Dr Adi Tarigoppula.
- **WAM:** 84.50 – Distinction.
- **Achievements:** Recognised on the *Dean's Honours List 2021* at the University of Melbourne for top 5% students. Awarded *Melbourne Graduate Scholarship 2022*.

Bachelor of Commerce, University of New South Wales Jul 2015 – Jul 2018

- **Major:** Accounting and Information Systems.
- **WAM:** 74.50.

PUBLICATIONS

Thesis

- Yueqing Xuan. “Multi-modal Entity Linker”. Master thesis. School of Engineering and Information Technology, University of Melbourne, 2021.

Peer Reviewed Papers

- Yueqing Xuan*, Edward Small*, Danula Hettiachchi* and Kacper Sokol*. “Helpful, Misleading or Confusing: How Humans Perceive Fundamental Building Blocks of Artificial Intelligence Explanations”. In: *arXiv preprint arXiv:2303.00934*. 2023.

PROFESSIONAL SERVICE

Conference Reviewing

- SIGIR (2023).

WORK EXPERIENCE

Research Assistant, University of Melbourne, Melbourne Nov 2019

- Research project: Humanoid robotic arm control through verbal commands ([GitHub Link](#)).
- Integrated the Porcupine wake word engine and IBM Watson speech recognition system into the robotic arm control framework for the anthropomorphic robotic limb. Interacted with the humanoid robot with real-time control through natural language commands.

IT Support and Business Analysis Intern, The Altius Group, Sydney

Mar 2019 – May 2019

- Effectively managed, configured and troubleshoot a range of IT-related systems.
- Responsibly implemented and administrated database documentation, policies and procedures.
- Performed application and hardware configuration deployment and troubleshooting.

GIS Data Processing Intern, Institute of Technical Physics, Shanghai

Nov 2016 – Feb 2017

- Worked in the Big Data team to analyse Geographic Information System (GIS) data by utilising the ContextCapture software.
- Designed and maintained database architecture, data structures, tables, dictionaries, and naming conventions to ensure the accuracy and completeness of data master files.