Chenyuan Zhang, Ph.D. Candidate.

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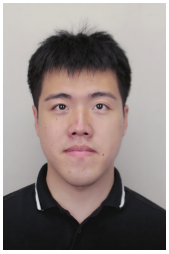

Selected Research Experience

2020 – **Ph.D., University of Melbourne** in Artificial Intelligence.

2013 – 2015 **Research Assistant, The Institute of Psychology, Chinese Academy of Sciences** in neuroscience.

2012 – 2013 **Research Assistant, Vision Lab, Department of Psychology, Peking University** in PsychoPhysics.

Education

2020 – **Ph.D., University of Melbourne** in Artificial Intelligence.
Thesis title: *Incorporating Timing Information in Planning Algorithms for Modelling Human Problem Solving Behaviour*

2018 – 2019 **Master of Information Technology, University of Melbourne** in Computing.
High Distinction (WAM:88/100)

2010 – 2015 **Bachelor of Science, Peking University** in Cognitive Psychology.
Minor in Statistics

Research Publications

Journal Articles

1. Z. Li, **C.-y. Zhang**, J. Huang, Y. Wang, C. Yan, K. Li, Y.-w. Zeng, Z. Jin, E. F. Cheung, L. Su, *et al.*, "Improving motivation through real-time fmri-based self-regulation of the nucleus accumbens.," *Neuropsychology*, vol. 32, no. 6, p. 764, 2018.
2. Y. Wang, Y. Deng, Z. Li, X. Li, **C.-y. Zhang**, Z. Jin, M.-x. Fan, M. T. Compton, E. F. Cheung, K. O. Lim, *et al.*, "A trend toward smaller optical angles and medial-ocular distance in schizophrenia spectrum, but not in bipolar and major depressive disorders," *PsyCh Journal*, vol. 5, no. 4, pp. 228–237, 2016.
3. R.-t. Zhang, T.-x. Yang, Y. Wang, Y. Sui, J. Yao, **C.-y. Zhang**, E. F. Cheung, and R. C. Chan, "Structural neural correlates of multitasking: A voxel-based morphometry study," *PsyCh journal*, vol. 5, no. 4, pp. 219–227, 2016.

Conference Proceedings

1. **C. Zhang**, C. Kemp, and N. Lipovetzky, "Comparing ai planning algorithms with humans on the tower of london task," in *Proceedings of the Annual Meeting of the Cognitive Science Society (CogSci)*, 2023.
2. **C. Zhang**, N. Lipovetzky, and C. Kemp, "Goal recognition with timing information," in *Proceedings of the International Conference on Automated Planning and Scheduling*, vol. 33, 2023.

Skills

Coding	Python, Java, R, C++, Matlab, LaTeX
Package	Huggingface, OpenAI Gym, PyTorch
Web Dev	Html, css, JavaScript.

Miscellaneous Experience

Awards and Achievements

- 2023 **Melbourne School of Engineering Travelling Scholarship (CIS)**, University of Melbourne
- **Engineering and IT Conference Travel Scholarship**, University of Melbourne
- 2020 - 2023 **Melbourne Research Scholarship**, University of Melbourne
- 2019 **Grant of SummerTech LIVE**, The Victorian Government
- 2018, 2019 **Dean's Honours List**, University of Melbourne
- 2012 **Excellence Awards for Social Activity**, Peking University

Presentation and Workshop

- 2023 **Human Replanning Behaviour on Tower of London**. Australia Math Psychology Conference (AMPC) 2023.
- **Comparing AI planning algorithms with humans on the Tower of London task**. Human-Aware and Explainable Planning (HAXP) 2023.
- 2021 **Using General AI Planner to Understand Human Problem-Solving on Tower of London**. Australia Math Psychology Conference (AMPC) 2021.

Teaching Experience

- 2020-2022 **COMP90054 AI Planning for Autonomy**. University of Melbourne
- **COMP90038 Algorithms and Complexity**. University of Melbourne
- 2020-2021 **COMP30027 Machine Learning**. University of Melbourne
- 2021-2021 **COMP30024 Artificial Intelligence**. University of Melbourne
- **COMP30026 Models of Computation**. University of Melbourne