

ACADEMIC CURRICULUM VITAE

YUXI WANG

BEIJING INSTITUTE FOR GENERAL ARTIFICIAL INTELLIGENCE (BIGAI) | BEIJING, CHINA, 100080

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WORKING EXPERIENCE

2026 – present **Research Scientist**
Beijing Institute for General Artificial Intelligence (BIGAI)
National Key Laboratory of General Artificial Intelligence
Beijing, China

EDUCATION

2022 – 2026 **Ph.D., Applied Psychology**
Peking University, Beijing, China
Supervisor: Yujia Peng, Ph.D.

2018 – 2019 **M.S., Biomedical Engineering (Distinction)**
University of Dundee, Dundee, UK
Thesis: “*Functional Brain Imaging Study of Mood Disorder*”
Supervisor: Prof. Douglas Steele.
Honors: “Best Student” and “Best Project” (1st student received both honors school-wide)
Ranking: 1/42

2014 – 2018 **B.S., Biotechnology**
University of Science and Technology Beijing, Beijing, China
Thesis: “*Thermal protecting membrane in laser-induced surface acoustic wave Optical Coherence Elastography (SAW-OCE)*”
Supervisor: Dr. Chunhui Li. (University of Dundee)
Grade: Level A (2017 – 2018 Exchange in University of Dundee)
Cumulative GPA: 3.61/4.00, Ranking: 7/51
Financial Engineering Minor

INTERNSHIP EXPERIENCE

2025 – 2026 **Research Intern, Beijing Institute for General Artificial Intelligence (BIGAI)**, Beijing, China

2021 – 2022 **Research Assistant, Peking University**, Beijing, China
Supervisor: Yujia Peng, Ph.D.

2019 – 2021 **Research Assistant, Peking University**, Beijing, China
Supervisor: Yinyin Zang, Ph.D.

PUBLICATIONS

Peer-reviewed Journal Articles

(* Equal contribution, # Corresponding author)

1. Fu, Y. *, Wang, Y. *, Xie, H., Zhao, S., Liu, M., Lu, Y., He, X., Cheng, Z., Peng, Y. #, & Zhang, Z. # (2026). Bridging cognitive architecture and developmental measurement for artificial general intelligence. *Journal of Intelligence*, 14(8), Article 179. <https://doi.org/10.3390/jintelligence14080179>

2. **Wang, Y.**, Ju, Q.[#], Jia, R., Yuan, M., & Peng, Y.[#] (2026). Revealing dichotomous prior biases in social anxiety through a social prism model. *PLOS Computational Biology*, 22(7), e1014509.
3. Li, S.^{*}, Wang, H.^{*}, Chen, G., Chen, X., **Wang, Y.**, Hu, W., Hamilton, A., Schilbach, L., Yi, L., Alaerts, K., Zhang, Z., Zuo, X.-N., Wang, Y.[#], & Zang, Y.[#] (2026). *Social functioning in autism: A systematic review and meta-analysis*. *Nature Human Behaviour*. 1–14
4. **Wang, Y.**, Peng, Y., Steele, J. D., & Tolomeo, S.[#] (2026). Distinct neural signatures of reward processing underlying bipolar disorder and major depressive disorder: a systematic review and meta-analysis. *Psychiatry Research: Neuroimaging*, 112196.
5. Peng, Y.[#], He, X., Xie, H., Xiao, X., **Wang, Y.**, Zhu, S., & Zhang, Z.[#]. (2026). Human Intelligence-Inspired Testing for the Developmental Stages of Artificial General Intelligence: from General to Applicable. *Psychological Science*. 49(2), 271-281. <https://doi.org/10.16719/j.cnki.1671-6981.20260202>
6. Suveges, S.[#], **Wang, Y.**, Tolomeo, S., Gilbertson, T., & Steele, J. D. (2025). Treatment-resistant recurrent unipolar and bipolar depression: associative learning abnormalities. *Brain*, 148(10), 3705-3717.
7. Peng Y.[#], **Wang Y.**, Ju Q., Liu F., & Xu J. (2025). Investigating social cognitive characteristics of social anxiety within the Bayesian framework. *Advances in Psychological Science*, 33(8), 1267–1274. <https://doi.org/10.3724/SP.J.1042.2025.1267>
8. Fan, S., **Wang, Y.**, Wang, Y., & Zang, Y. (2025). Revisiting Resting-State Functional Connectivity of the Amygdala and Subgenual Anterior Cingulate Cortex in Adolescents and Adults With Depression. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 10(7), 759-768.
9. Huang, X., Ni, Y., **Wang, Y.**, Peng, Y.[#], & Li, J.[#]. (in submission). Transdiagnostic latent factors dissociating depression and anxiety through reinforcement learning. *Behaviour research and therapy*.
10. Zhang, Z.^{*}, **Wang, Y.**^{*}, Xie, H., Zhao, S., Liu, M., Lu, Y., ... & Peng, Y.[#] (2025). Evaluating Multimodal Large Language Models with Daily Composite Tasks in Home Environments. *arXiv preprint arXiv:2509.17425*.
11. **Wang, Y.**, Zang, Y., & Peng, Y.[#] (2024). Validity and reliability of the Chinese version of Social Anxiety Questionnaire for Adults. *Chinese Mental Health Journal*, 38(08), 730–736.
12. Xu, J., **Wang, Y.**, & Peng, Y.[#]. (2024). Psychodynamic profiles of major depressive disorder and generalized anxiety disorder in China. *Frontiers in Psychiatry*, 15, 1312980.
13. Peng Y.[#], **Wang Y.**, & Lu D. (2023). The mechanism of emotion processing and intention inference in social anxiety disorder based on biological motion. *Advances in Psychological Science*, 31(6), 905–914. <https://doi.org/10.3724/SP.J.1042.2023.00905>

Peer-reviewed Conference Articles

(* Equal contribution, # Corresponding author)

1. Sun, Z., Wang, M., Wang, L., **Wang, Y.**, Li, W., Peng, Y., & Zhang, Z.[#] (2026, March). BotDirector: Robot Storytelling Across the Symmetrical Reality with Multi-Modal Interactions. In *2026 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)* (pp. 1105-1106). IEEE.

Patents

1. Shi, G., Zeng, G., Huang, J., **Wang, Y.**, & Li, Y. (2020, September 11). A supramolecular polymer and its preparation and application method (Chinese Patent No. CN107903400B). China National Intellectual Property Administration.
2. Shi, G., **Wang, Y.**, Huang, J., Zeng, G., & Li, Y. (2017, February 22). A food safety detection device based on intelligent mobile terminals (Chinese Patent No. CN205982094U). China National Intellectual Property Administration.

CONFERENCE PRESENTATIONS

1. **Wang, Y.**, Yuan, M., Dong, X., Xiao, J., & Peng, Y.[#] (2026, February 23-25) *Revealing Uncertainty-driven Prior Biases in Social Anxiety* [Oral Presentation], the Australasian Mathematical Psychology Conference 2026 (AMPC2026), National University of Singapore, Singapore.
2. **Wang, Y.**, Ju, Q.[#], Jia, R., Yuan, M., & Peng, Y.[#] (2025, May 30) *Biased Prior Underlying Social Anxiety: The Dissociation of Positive and Negative Expectations Depending on Social Information*. [Oral Presentation], Psych-forum, Peking University, Beijing, China.
3. **Wang, Y.**, Jia, R., Yuan, M., Xiao, J., & Peng, Y.[#]. (2024, August 6-8) *Understanding the Negative Cognitive Bias of Social Anxiety in Biological Motion through a Hierarchical Drift Diffusion Model*. [Poster Presentation] Seminar on Mental Processes and Modeling, Zhejiang, China.
4. **Wang, Y.**, Jia, R., Yuan, M., Xiao, J., & Peng, Y.[#]. (2024, July 4-6) *Understanding the Negative Cognitive Bias of Social Anxiety in Biological Motion through a Hierarchical Drift Diffusion Model*. [Poster Presentation] The fifth Annual Academic Conference of Decision Psychology Professional Committee of Chinese Psychological Society, Tibet, China.
5. **Wang, Y.**, Lu, D., Li, Z., & Peng, Y.[#]. (2022, November 25-27) *Revealing mechanisms of Emotional Biological Motion Perception in Social Anxiety through the Drift-Diffusion Model* [Oral Presentation] Twenty-fourth Annual Conference of Chinese Psychological Society, Henan China.
6. **Wang, Y.**, Zang, Y., & Peng, Y.[#] (2022, November 25-27) *Reliability and Validity of the Chinese Version of the Social Anxiety Questionnaire - Adults* [Oral Presentation] Twenty-fourth Annual Conference of Chinese Psychological Society, Henan China.
7. **Wang, Y.**, Zang, Y.[#], & Wang, Y.[#]. (2021, October) *Revisited Resting-State Functional Connectivity between Amygdala and Subgenual Anterior Cingulate Cortex in Depressive Adolescents and Adults*. [Oral Presentation] Twenty-third Annual Conference of Chinese Psychological Society, Nei Mongol, China.
8. Li, M., **Wang, Y.**, Wang, B., Chen, Q., Wang, Y., Bao, J., Zang Y.[#]. (2020, November). *The effect of guided narrative technique on secondary traumatic stress in COVID-2019 outbreak: An online intervention study*. [Poster presentation] the Association for Behavioral and Cognitive Therapies (ABCT) Conference 2020, Philadelphia, US.

TEACHING EXPERIENCE

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- 01603011: Psychological Testing (Winter 2024). Instructor: Yujia Peng, Ph.D.
- Designed weekly quizzes, graded course assignments, prepared and organized the final exam.
- 01618010: Advanced Psychological Research Methods (Spring 2024). Instructor: Yujia Peng, Ph.D.
- Organized presentations, mentored group projects, gave the oral presentation, and graded class assignments.
- 01610661: Psychopathology (Winter 2023). Instructor: Yujia Peng, Ph.D.
- Explained weekly quizzes, organized presentations, and graded class assignments.
- 01610651: Cognitive Behavior Therapy (Spring 2020, Spring 2021). Instructor: Yinyin Zang, Ph.D.
- Planned lessons, and graded class assignments.
- 01630090: Abnormal Psychology (Spring 2019). Instructor: Yinyin Zang, Ph.D.
- Prepared instructional materials.

HONORS AND AWARDS

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| Award for Scientific Research, <i>Peking University, Beijing, China</i> | 2025 |
| Second-class Scholarship (¥2000), <i>School of Psychological and Cognitive Sciences, Peking University, Beijing, China</i> | 2025 |
| Award for Scientific Research, <i>Peking University, Beijing, China</i> | 2024 |
| Three-class Scholarship (¥1000), <i>School of Psychological and Cognitive Sciences, Peking University, Beijing, China</i> | 2023,2024 |
| Departmental Distinction in Biomedical Engineering, <i>University of Dundee, Dundee, UK</i> | 2019 |
| Best Students & Best Project - 1 st student received both honors, <i>University of Dundee, Dundee, UK</i> | 2019 |
| Scholarship for master's degree (£12000), <i>China Scholarship Council, China</i> | 2018-2019 |

YUXI WANG

Alumni Scholarship (£1500), *University of Dundee, Dundee, UK* 2018
Scholarship for Outstanding Undergraduate Exchange (£7650), *China Scholarship Council, China* 2017-2018
National Encouragement scholarship (¥5000), *University of Science and Technology Beijing, Beijing, China* 2015
People's Third-class Scholarship (¥500), *University of Science and Technology Beijing, Beijing, China* 2014,2016,2017

PERSONAL AFFILIATIONS

2022-2026	Association for Psychological Science (Student Member)
2018-2019	The Institution of Engineering and Technology (Student Member)