

## ACADEMIC CURRICULUM VITAE

YUXI WANG

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

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### WORKING EXPERIENCE

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

### EDUCATION

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**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” (1<sup>st</sup> 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

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**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

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#### Peer-reviewed Journal Articles

(\* Equal contribution, # Corresponding author)

1. **Wang, Y.**, Ju, Q<sup>#</sup>., Jia, R., Yuan, M., & Peng, Y.<sup>#</sup> (in press). Revealing Dichotomous Prior Biases in Social Anxiety through a Social Prism Model. *PLoS Comp Bio.*

2. 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
3. **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.
4. 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>
5. 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.
6. 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>
7. 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.
8. 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*.
9. 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*.
10. **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.
11. Xu, J., **Wang, Y.**, & Peng, Y.#. (2024). Psychodynamic profiles of major depressive disorder and generalized anxiety disorder in China. *Frontiers in Psychiatry*, 15, 1312980.
12. 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

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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 <sup>st</sup> 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**

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