Jianshu Wang

Applied Psychology | EEG/ERP Analysis | Computational Behavioral Modeling
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EDUCATION

Henan University 09/2022–06/2026
Bachelor of Science in Applied Psychology

- Weighted average score: 87.01/100; GPA: 3.41/4.00
- TOEFL iBT: 6.0/6.0
- Selected coursework: Psychological Statistics, Experimental Psychology, Cognitive Psychology, Advanced Psychology Research Methods
- Online coursework (Coursera): Linear Algebra, Calculus, Machine Learning, Python for Everybody

PUBLICATIONS AND MANUSCRIPTS

1. **Jianshu Wang**, Xiaowei Jiang, Yanan Chen, Minghui Wang, Feng Du. (2026). From overt deterrence to covert internalization: Moral effects of AI regulation and the moderating role of personality traits. *Acta Psychologica Sinica, 58(3), 381–398.* doi: 10.3724/SP.J.1041.2026.0381.
2. Yunkai Yang, Jinxin He, Luxin Wang, **Jianshu Wang**, Jingwen Xu, Xiaowei Jiang, Na Ao, Pengyi Zhang, Yanan Chen, Minghui Wang, Feng Du. (2026). Bidirectional benefits: Interbrain synchronization and role-specific neural signatures in interpersonal emotion regulation. *Emotion.* doi: 10.1037/emo0001683.
3. **Jianshu Wang**, Yanan Chen. (2026). Effects of Cognitive Load and Time Interval on Takeover Performance and Situational Awareness in Two-Stage Warning System: An Individual Difference Perspective. *IEEE Transactions on Intelligent Transportation Systems (submitted).*
4. **Jianshu Wang**, Yulong Bian, Siyu Liu, Yawen Zheng, Hao Zhang, Yuan Yue, Tangjun Qu, Yang Li, Yan Hu, Yutao Xie, Chao Zhou, Jin Huang, Feng Tian. (2026). Beyond Motion Intensity: Task-Relative Motion Geometry and Directional Response Time During Whole-Body Motion. *CHI 2027 (submitted).*
5. Ran Liu, **Jianshu Wang**, Huijun Wang, Chang Liu, Guang Zhao, Ze Geng. (2026). Community Environment and Resident Well-Being from an Affordance Perspective: Implicit Associations and Evidence Accumulation. *Journal of Environmental Psychology (submitted).* Corresponding author: Ze Geng.
6. **Jianshu Wang**, Xuemeng Wang, Yanan Chen. (2026). The effect of input cost and reward/punishment cues on performance in simple cognitive tasks: An ERP study. *Submitted manuscript.*

RESEARCH EXPERIENCE

Lifedu Educational Technology Co., Ltd. 07/2026–Present
Research Assistant | Supervisor: Dr. Ze Geng (Principal Investigator)

- Conduct EEG preprocessing and data analysis for cognitive and behavioral research.
- Apply computational behavioral modeling and integrate behavioral models with neural measures.

Institute of Software, Chinese Academy of Sciences (ISCAS) 07/2025–Present
Research Intern | Supervisors: Dr. Chao Zhou and Yulong Bian

- Developed Unity-based directional-judgment experiments on a 6-DOF motion platform.
- Analyzed response times in relation to task-relative motion components and individual differences; contributed to a manuscript submitted to CHI 2027.

Human Factors in Driving Takeover 12/2025–Present

Independent Research Project | Supervisor: Prof. Yanan Chen

- Independently developed a Unity-based VR driving scenario using PICO 4 Pro, integrating eye tracking with ECG, GSR, and EMG recording.
- Designed a two-stage warning experiment examining cognitive load and the monitoring-to-takeover request interval in situation-awareness recovery and takeover performance.
- Analyzed behavioral and physiological data alongside individual differences in personality and driving style.

Shenzhen University 10/2024–07/2025

Research Intern | Supervisor: Prof. Zhenhong He

- Designed experiments and programmed behavioral tasks in PsychoPy for research on loss and compensatory decisions.
- Developed Python data-analysis pipelines and applied drift diffusion and reinforcement-learning models to behavioral data.

Human-AI Ethics 09/2024–12/2025

Independent Research Project | Supervisor: Prof. Yanan Chen

- Designed and programmed PsychoPy experiments examining how AI supervision and incentives influence dishonest behavior and ethical decision-making.
- Analyzed behavioral data in Python/R using mixed-effects models; the resulting article was published in Acta Psychologica Sinica.

Additional neural and behavioral research

- **Effort-Based Behavior and ERP:** Research Leader, May 2023–Feb 2024. Collected and analyzed behavioral and ERP data in Python/R using a Monetary Incentive Delay task.
- **Social Network and Neural Similarity:** Co-researcher, Nov 2022–Apr 2023. Preprocessed and analyzed EEG data in MATLAB/Python to study neural similarity and social relationships.

TECHNICAL SKILLS

- **Neural and physiological data:** EEG/ERP; fNIRS; MNE; eye tracking; ECG; GSR; EMG
- **Behavioral modeling and statistics:** Drift diffusion models (DDM/PyDDM); reinforcement-learning models; mixed-effects models; Python; R; MATLAB; SPSS
- **Machine learning:** scikit-learn
- **Experiment development:** PsychoPy; Unity/VR; C#; LaTeX