

Xinyu Wang

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Education

- Southwest University**, BS in Psychology Sept 2022 – May 2026
- **GPA:** 4.26/5
 - **Advisor:** Prof. Youguo Chen
- University of Texas at Austin**, Psychology Summer Program July 2023 – Aug 2023
- **GPA:** Full A

Research Experience

- Research Intern**, Music, Brain and Health Lab, Psychiatry and Behavior Science, Stanford University July 2025 – now
- **Advisor:** Prof. Daniel Bowling
 - Leader of a project on How Music Preference affect people's tempo tracking ability and a pilot study on How Tempo Difference affect music-brain synchrony.
- Remote Research Assistant**, CTS of Anxiety, University of Pennsylvania Nov 2024 – now
- **Advisor:** Dr. Tao Lin Instructor
 - Screening and correlation analysis of articles related to network meta-analysis, systematic reviews, done in collaboration with PhD students at the University of Wisconsin-Madison and postdoc fellow at Upenn.
- Research Assistant**, Liuying Lab, Southwest University Feb 2025 – now
- **Advisor:** Prof. Ying Liu
 - Assisted in an EEG study on the effect of music speed on driving emotions, responsible for data collection and preprocessing.
- Research Assistant**, Institute of Psychology, CAS Aug 2024 – Jan 2025
- **Advisor:** Prof. Yi Du
 - Cooperated with doctoral student, to understand the role of the temporoparietal junction and insular cortex in music reward.
 - Programming, data collection, audio editing and data analysis
- Surveyor**, CIEFR, Peking University Nov 2024 – Dec 2024
- **Advisor:** Dr. Xinjie Zhang
 - Data collection and verification in Yunnan Province, China, and fulfillment of related logistics, school communication, etc.
- Student Researcher**, Southwest University Dec 2022 – Nov 2024
- Carry out research projects as a lead researcher, investigate very short time-distance automatic and controlled processing interactions.
 - Programming, data analysis

Projects

- How Music Preference affect Neural synchronization**
- Using ten house music with almost same bpm(123), and modulate into better and worse version by Audacity, collecting subjects tapping synchrony to the beats and EEG data, then using Temporal Response Function to test the music-brain synchrony.
- An ERP study of the interaction between very short time-distance automation and controlled processing**
- A study of the interaction between automatic and controlled processing of time perception.

An EEG study on how music speed affects driving emotions

- Responsible for managing the appointment, writing experiment programs with Matlab PTB, and data collection, preprocessing the collected data, and conducting ANOVA analysis.

The role of the temporoparietal junction and insular cortex in music reward

- Carry out the experimental design of the pre-experimental music pleasure inquiry for this project, and were responsible for the pre-scale writing and recruitment of subjects,collecting data such as skin electricity using a multi conductance physiological instrument such as the Biopac, and pre-processing and analysing the data collected.

A Network meta-analysis of Psychotherapy for Anxiety Disorders

- Comparison of different forms of psychotherapy for anxiety disorders through network meta-analysis

Skills

Programming: Matlab, PsychoPy, E-Prime

Data analysis: SPSS, Python, Matlab

Methods: EEG, fMRI, fNIRS

Others: Photoshop,FL studio, Audacity, Acqknowldge, Microsoft Office

Language: Mandarin(native),English