

Wang Zhengchang

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Applied Psychology undergraduate at Central China Normal University, working at the intersection of psychological research, large language models, and software development. My interests include decision making, human–AI comparison, and practical tools for behavioral research and psychology education.

Education

Undergraduate in Applied Psychology *Central China Normal University* **09/2024 – Present**

- School of Psychology; interests in decision psychology, psychometrics, and computational methods.

High School *Hainan Middle School* **2021 – 2024**

Experience

CDPA-LLMs *Research and Software Project* **Ongoing**

Automated assessment of LLM decision preferences research platform

Contributions

- Built a workflow connecting model APIs to item administration, response parsing, data quality checks, and statistical reports.
- Preserved assessment settings and raw model outputs to support traceable and reproducible comparisons.

Tech Stack Python, SQLite, JavaScript, Docker.

Intertemporal Decision Making in Large Language Models *Research Project* **Ongoing**

Behavioral comparison of language models research design and analysis

Contributions

- Designed behavioral tasks to examine whether language models show stable and comparable preferences in intertemporal choices.
- Compared model responses across choice categories and application contexts, with attention to contextual effects and decision strategies.

Tech Stack Experimental design, decision psychology, data analysis.

Multilevel Language Structure Recognition *Human–AI Research Project* **Ongoing**

Comparing human and LLM sensitivity to text structure experimental study

Contributions

- Constructed four conditions from 40 Chinese passages: intact text and lexical, sentence, or discourse-level disruption.
- Compared responses from 48 human participants and three large language models to examine structural sensitivity and error patterns.

Tech Stack Research design, behavioral tasks, statistical analysis.

Huaxiaozhu *AI-supported Psychology Education Project*

Ongoing

Training system for psychological helping skills

product and development

Contributions

- Organized training around Hill's exploration, insight, and action stages.
- Used AI-simulated help seekers and immediate feedback to support practice; connected student sessions with instructor views of training records and skill profiles.

Tech Stack

AI applications, product design, psychology education.

VCPA *Software Project*

Ongoing

Visual analysis platform for psychology research

alpha version

Contributions

- Developed a canvas-based workflow for specifying variable relationships and organizing mediation and moderation analyses.

Tech Stack

Python, FastAPI, React.

Deputy Secretary, Youth League Committee *School of Psychology, CCNU*

2026 – Present

Responsibilities

- Support student activities and coordination across the School of Psychology.

Head of Publicity *Chunyu Volunteer Service Team, CCNU*

09/2025 – 06/2026

Responsibilities

- Contributed to communications and outreach for psychology education and youth service activities.
- Participated in educational and psychological support programs for children and adolescents.

Additional activity

- National Undergraduate Psychology Innovation and Entrepreneurship Forum*

09/2026

- Second Prize, national competition.
- Houcan Cup Psychology and Cognitive Intelligence Assessment Challenge*

09/2026

- Third Prize, regional division.
- National “AI+” Undergraduate Innovation and Entrepreneurship Competition*

11/2025

- First Prize, national competition.
- CCNU Challenge Cup Entrepreneurship Competition*

12/2025

- University Gold Award.

Skills

Research: experimental design, behavioral tasks, psychometrics, SPSS, mediation and moderation analysis.

Programming: Python, HTML, CSS, JavaScript, React, FastAPI, REST APIs, SQLite, Docker.

Product and communication: interface design, documentation, photography, and video production.

Languages

Chinese: Native

English: CET-6

Korean: TOPIK-3