

Zhaoting Liu

Email: zhaoting.liu6@gmail.com

Education

Zhejiang Gongshang University (2020 - 2025)

- B.A. in Philosophy (transferred from Public Administration)
- GPA: 88.1/100 (Rank: 4/23)

Work in Progress

- **Liu, Z.** Beyond numerical identity: Rethinking personal identity in mind uploading
- **Liu, Z.*** & Luo, D.* Mind uploading as computational autonoetic consciousness?
- **Liu, Z.*** & Luo, D.* Can perceptual reality monitoring account for self-awareness? Insights from the HOROR theory.
- He, Z., **Liu, Z.** & Gao, T. Reversed substitution: A novel emotion regulation strategy for negative social situations.
- **Liu, Z.***, et al. An integrative framework for navigating pre-, during-, and post-emotion regulation processes.

Research Experience

Research Assistant (Feb. 2024 - present)

Brain Disease and Cognitive Science Research Center, Shenzhen University

PI: Dr. Zhenhong He

- fMRI data preprocessing, first-level analysis and functional connectivity analysis.
- Authoring a thorough overview of the frameworks within the emotion regulation domain, synthesizing current theories and empirical findings.
- Proposed a novel emotion regulation strategy beyond mainstream models.
- Proposed a new theoretical model that builds upon and modifies Gross's emotion regulation framework.

Undergraduate Researcher (May. 2023 - present)

Digital Human Research Group, Hong Kong University of Science and Technology (Guangzhou)

Advisor: Dr. Yutao Yue, Dr. Macheng Shen (MIT PhD. major in Robotics & AI)

w/Ruiyang Feng

- Conducted a thorough literature review on digital human technology, exploring both ethical considerations and technological advancements.
- Ruiyang collected her personal data for five years, including 24-hour audio and textual information, which we cleaned to fine-tune LLMs.
- Presented a conference talk at The Second Symposium on Human-Computer Interaction, hosted by Renmin University of China, Fudan University, and Guangdong University of Foreign Studies. (Sep. 2024)

Independent Researcher (Aug. 2023 - present)

Collaborator: Dezhi Luo (Undergraduate Student, University of Michigan, Ann Arbor, Major in Cognitive Science)

- Explored the philosophical and technical challenges faced by computational functionalism, focusing on the problem of personal identity and current debate surrounding machine consciousness, presented at ISPSM2 and manuscript in progress.
- Investigated the link between Perceptual Reality Monitoring (PRM) and self-awareness, incorporating HOROR theory to elucidate the mechanism behind self-awareness. Presented at ASSC27 and manuscript in progress.

Conference Presentation

Poster

Can perceptual reality monitoring account for self-awareness? Insights from the HOROR theory (July 2024)

w/ Dezhi Luo

27th Annual Meeting of the Association for the Scientific Study of Consciousness (ASSC 27)

The University of Tokyo

Mind uploading as computational auto-noetic consciousness? (Mar. 2024)

w/ Dezhi Luo

Undergraduate Poster Session at the *12th Weinburg Institute for Cognitive Science Symposium*

University of Michigan

Talk

Perceptual metacognition, memory, and machine self-consciousness (Oct. 2024)

w/ Dezhi Luo

5th Models of Consciousness Conference (MoC5)

University of Bamberg

Mind uploading as computational auto-noetic consciousness? (Oct. 2024)

w/ Dezhi Luo

2nd Annual Meeting of the International Society for the Philosophy of the Sciences of the Mind (ISPSM2)

Online

Awards/Funding

- Outstanding Achievement Scholarship, ZJGSU 2020
- First Prize, Zhejiang Province University Student Arts Festival 2021
- Outstanding Artistic Performance Scholarship, ZJGSU 2022
- Travel grant for ASSC 27 (\$600) 2024

Other Experience

1st Training Camp on Neural Computation Modeling and Programming (Aug. 2023)

Organized by the Chinese Neuroscience Society (CNS) and Si Wu's Lab (Peking University)

From HH model to Spiking Neural Network training and its implementation

Anti-Entropy Club (Apr. 2023 - present)

Undergraduate Interdisciplinary Club, aiming to promote collaborative intelligence in the LLM era, with a particular focus on undergraduate interdisciplinary cooperation

- Co-founder
- Contributor, consciousness in philosophy (Sharing sessions)

Neu-reality (May 2023 - present)

A leading cognitive science media platform in china with over 500,000 subscribers and 670,000 monthly reads

- Contributor in the Humanities Team
- Served as the project leader for our cognitive science magazine, currently planning a series of interviews with scholars in the field.

Secondary School Philosophy Conference (SSPC)

The most widespread and impactful philosophy event for secondary students in China, welcomes all junior and senior high school students passionate about philosophy, initially established by high school students from Pinghe School in Shanghai

- Reviewer for philosophy of mind and philosophy of cognitive science
- Organization Committee Member of the 8th Secondary School Philosophy Conference (2025), working with Ruiyang

Feng and Ziyang Xu; Ziyang Xu is the first gold medalist of the International Philosophy Olympiad (IPO) in China.

Swarma (Aug. 2023 - present)

One of the largest interdisciplinary science clubs in China, mainly focus on complex system and AI

Established in 2003, our organization has hosted lectures by distinguished scholars like Douglas Hofstadter, Max Tegmark, and Karl Friston, among others

- Director of the reading group on AGI (invited speaker: Dr. Pei Wang, Temple University)
- Main author for the “AGI” entry of the Swarma Encyclopedia (advisor: Dr. Pei Wang)
- Presenter at the 2023 annual meeting

Skills

Programming languages: Python, MATLAB

Methods and tools: fMRI (SPM)