Yaoyuan Zhou

✉ amiao1120@gmail.com ↗ http://github.susan.com ☎ +86 13375922832

Education

Beijing Normal University   *Sept 2023 – Jul 2027*
BS in Educational Technology

- Grade: 87.17/100
- **Coursework:** programming language(C, Phython, Java), Comparison of Learning Algorithms, Learning Science, Introduction to Educational Technology, Design and Development of Multimedia and Web-based, Curriculum Development, Educational Measurement and Evaluation

Hong Kong Polytechnic University   *Sept 2025 – Jan 2026*
Exchange Student
BSc(Hons) in Artificial Intelligence and Information Engineering

- **Coursework:** Foundation Techniques in Artificial Intelligence, Artificial Intelligence Enabled Internet of Things, Data and Computer Communication, Network Security

Publications

An Active Instructional Approach Based on SAMR Framework to Assist Undergraduate Freshmen in Integrating AIGC into Learning: An Exploratory

The Internet and Higher Education(Accepted)

Juan Wu, Jingwen Pan, *Yaoyuan Zhou*, Mengyu Liu, Yanling Li, Ronghuai Huang,

Power of Query——Analysis of Critical Thinking Trajectories Based GAI-Assisted Learning

Global Chinese Conference on Computers in Education, GCCCE 2025

Yaoyuan Zhou, Juan Wu

A Typological Study of Learning Engagement and Academic Achievement in University Online Classes :An Epistemic Network Analysis Based on Bloom's Taxonomy

Research Association of Learning Science Coference, RALS 2025

Yaoyuan Zhou, Yuhan Gai, Qingyang Liu, Jiamin Ren,

Project

Exploring the Effects of GAI Prompting on Undergraduate Creative Problem Solving: A Task-Driven Experimental Study   *Person in Charge*

- Developed a classroom web platform using Python, JavaScript, and SQL to facilitate real-time human-AI interaction between students and a generative AI (GAI) chatbot.
- Independently developed curriculum design and prompt engineering tutorials to promote critical and creative thinking development in undergraduates as the main line of research
- Used Epistemic Network Analysis (ENA) to model the co-occurrence and temporal connections among cognitive moves exhibited by students during chatbot dialogues, interpreted the graphs to uncover students' thinking pattern.

A systematic review of intelligent tutoring systems based on Generative Artificial Intelligence   *Person in Charge*

- Conduct a systematic review of empirical research on generative artificial intelligence (GAI) in intelligence tutoring systems (ITS), lead in-depth analysis of the current integration of GAI and ITS and AI's impact on the internal structure design of ITS to find the best way for GAI to empower ITS

Work Experience

Project Intern - The UNESCO International Research and Training Centre for Rural Education (INRULED) *Nov 2024 – Aug 2025*

Information and communication technology (ICT) in Education for Rural Development

- Played a key role in the joint "STEM Project" launched by SEAMEO STEM-ED, UNESCO INRULED. Took responsibility for background research on rural and STEM education, drafting the cooperation framework, designing evaluation criteria to support smooth project coordination and execution.
- Assisted in 5 organizing large-scale international events. Responsible for concept note drafting, scheduling, round-table session design, foreign expert liaison, and on-site multimedia supervision. Demonstrated strong organizational and cross-cultural communication skills in high-pressure, multilingual settings.

Project Intern - Research Institute of Science Education-BNU

Course Design department *Oct 2023 – Jun 2025*

- Participated in the development of a project-based aviation course (12 hours), focusing on integrating critical thinking and real-world problem-solving into the curriculum design.Designed instructional content and learning tasks aligned with project-based learning (PBL) principles, contributing to the creation of teaching materials for practical STEM application.
- Collaborated with over 20 frontline STEAM educators to gather feedback and refine curriculum components, gaining insight into user-centered learning design and iterative content optimization.

Online Teacher - Teaching Digital Skills and SDGs to Primary School Students in Rural China (UNDP) *online teacher*

- Volunteered as an AI literacy instructor at the 2024 HER Digital Future camp, delivering 20 hours of teaching to primary school students, with a focus on inspiring girls to engage with STEAM disciplines. Navigated hybrid teaching scenarios, leveraging digital platforms to create engaging and accessible learning experiences.
- Designed AI introductory sessions that guided students to explore human-AI interaction through prompt-based conversation tasks. Emphasized the development of critical thinking and basic problem-solving skills, laying the foundation for self regulated learning.

Special Skills

Languages: Chinese, English, Cantonese, Korean

Programming Languages: C, Java, Python, SQL, JavaScript

Official skills: Microsoft softwares (Word, Excel, PPT, Visio, etc.), Adobe softwares (PS, PR), Xmind