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Education

Fudan University 2023 – 2026 (Expected)
M.Phil in Education; Supervised by Dr. Peikang Zhang *GPA: 3.82/4.0*

Nanyang Technological University Aug 2024 – Dec 2024
Postgraduate Research Exchange; Supervised by Prof. Wenli Chen

Peking University Jul 2024
Summer School: Frontiers in Economics of Education and Practices in China *Distinguished Paper Award*

Peking University Jul 2023
Summer School: Frontiers in Educational Technology

Shanghai International Studies University 2019 – 2023
B.S. in Educational Technology *GPA: 3.93/4.0*

Shanghai International Studies University 2019 – 2023
B.A. in English Language and Literature *GPA: 3.94/4.0*

Research Interests

Learning Sciences; Human-AI Collaboration; Economics of Education

Publications

From Competition to Coexistence: The Evolution of the Labor Market for College Graduates in the Age of Automation, Roultledge *(forthcoming in Sep. 2025, with Peikang Zhang, Huailiang Liang, Yuxuan Qin)*
Summary: Grounded in "The Race Between Education and Technology", this book analyzes multi-source data to explore the shift from competition to coexistence between humans and automation. We demonstrate how AI and robotics reshape skill demands, human capital investments, career paths, education policies, and labor market dynamics for college graduates in China and globally, offering fresh insights into the economics of education in the era of Generative AI.

Working Papers

Generative AI and Human Capital Investment: Evidence from College Major Choice in China *(with Peikang Zhang)*
Summary: Using unique administrative data on college admissions (2020–2024) and a difference-in-differences (DID) approach, we provide the first evidence that Generative AI significantly reduces admission scores for AI-exposed majors, especially among students from non-poverty counties, highlighting shifts in human capital investments and labor market implications.

Students' Verbal Interaction Patterns in Collaborative Learning: The Role of Group Awareness *(with Wenli Chen and Lishan Zheng)*
Summary: Using lag sequential analysis (LSA) and sequential pattern mining (SPM) to identify significant behavioral transitions and recurring interaction sequences, we identify that group awareness support streamlines task coordination and diversifies sequential structures of discourse, promoting richer patterns of knowledge-building dialogue.

Exploring Collaborative Behavior Differences Between High and Low Performing Groups with Group Awareness Support: Using Gaze and Interaction Behavior *(with Wenli Chen and Lishan Zheng)*
Summary: Using multi-modal analysis combining verbal interaction and eye-tracking data, we reveal that high-performing groups with group awareness support, exhibit longer fixation durations on individual/partner contributions, efficient verbal interaction (e.g., idea offering → negotiation), and productive inquiry cycles, compared with low-performing groups.

The Impact of Automation on the Demand for Specific Skill: A Retrospective Perspective Based on Real Interview Experience *(with Peikang Zhang)*
Summary: Drawing on 210,000 interview-experience posts covering 3,729 leading firms on Kanzhun.com (2009-2023), we explore how automation reshapes specific skill demand. Firms with greater automation intensity place greater emphasis on analytical capabilities, administering tougher written assessments and more socially-oriented interview activities. These heightened requirements translate into lower pass rates and higher perceived interview difficulty among candidates.

Research Experience

Contributing Researcher | *Learning Sciences & Assessment, NIE, NTU* Aug 2024 – Present

- Multimodal Learning Analytics: Performed multimodal learning analytics on eye-tracking, fNIRS, and discourse data using behavioral coding, t-tests, ANOVA, and Epistemic Network Analysis; co-authored publications.
- AI-Supported Peer Feedback System: Contributed to conception, experimental design, IRB application, system development, prompt engineering, data analysis, and paper writing.

Research Assistant | *Center for Digital Transformation, CKGSB* Apr 2024 – Aug 2025

- Human-AI Co-Creation in Product Ideation: Designed and administered LLM performance surveys on Qualtrics and Prolific; processed and analyzed resulting data.
- GPT-Doctor and Customizing LLM: Deployed and benchmarked models; conducted experimental evaluations and statistical analyses.
- Multi-Agent Personalized Feedback: Built pipelines to extract behavioral indicators from time-series clickstream logs of online video viewing; developed multi-agent systems to generate, tune, and validate personalized feedback based on exam results and viewing patterns.

Research Assistant | *Fudan Development Institute, FDU* Sep 2023 – Mar 2024

Contributing Researcher | *Key Laboratory of Multilingual Education with AI, SISU* Mar 2022 – Jul 2023

Research Assistant | *Key Laboratory of Multilingual Education with AI, SISU* Nov 2021 – Jul 2023

Conference Presentations

AERA Annual Meeting 2026, Los Angeles, California, USA
"Learners' Collaboration With AI in Enhancing Peer Feedback in Argumentative Writing: An Exploratory Study"
(Submitted, with Wenli Chen, Lishan Zheng, Qianru Lyu)
(AERA: American Educational Research Association)

ISLS Annual Meeting 2025, Helsinki, Finland
Symposia: "Learners' Collaboration with AI in Enhancing Peer Feedback Literacy" *(with Wenli Chen, Qianru Lyu, Lishan Zheng)*
Poster: "Uncovering How Individual Preparation Shapes Collaborative Communication Patterns Through Epistemic Network Analysis" *(with Wenli Chen, Lishan Zheng)*
Long Paper: "Mental Effort and Task Performance During Collaboration: The Impact of Group Awareness" *(with Wenli Chen, Lishan Zheng)*
(ISLS: International Society of the Learning Sciences)

AERA Annual Meeting 2025, Denver, Colorado, USA
Poster (Accepted): "Generative Artificial Intelligence and Job Displacement: A Perspective from College Entrance Examination" *(with Peikang Zhang)*

BERA Annual Meeting and WERA Focal Meeting 2024, Manchester, UK
Individual Paper, Session Chair: "Research on the Influence Mechanism of Self-Regulated Learning Behaviors on Second Language Learning"
(BERA: British Educational Research Association; WERA: World Educational Research Association)

International Conference of AITELL 2021, Shanghai, China
Individual Paper: "The Effect of Study Duration and Learning Initiative on Student Completion of Online Courses"
(AITELL: Artificial Intelligence and Technology-Enhanced Language Learning)

Awards

First Prize Scholarship, FDU (2025)
Distinguished Paper, PKU Summer School (2024)
National Scholarship; Excellent Graduate of Shanghai; Excellent Dissertation, SISU (2023)
Special Prize Scholarship (Five Semesters, 2019 – 2023), SISU

Skills

Programming: Python, Stata, SPSS
Language (Grade): IELTS (8.0), TEM-8 (75), TEM-4 (84), CET-6 (687), CET-4 (632)