

Lixiang Gao

Curriculum Vitae

Personal Data

Name **Lixiang Gao**
Telephone +49-(0)89-2180-71383
Email Lixiang.Gao@psy.lmu.de
ORCID <https://orcid.org/0000-0001-8397-8052>
ResearchGate <https://www.researchgate.net/profile/Gao-Lixiang>
Google Scholar <https://scholar.google.com/citations?user=-4BjOonnSQoC&hl=en>

Academic Qualification

12/2022 **LMU Munich (Germany), PhD student of the Doctoral Training Program in the Learning Sciences**
Subjects: psychology and educational
09/2018-06/2021 **Central China Normal University, Wuhan, China**
Subject: educational technology (M.Sc.)
09/2014-06/2018 **Central China Normal University, Wuhan, China**
Subject: educational technology (B.Sc.)
02/2015-12/2016 **Zhongnan University of Economics and Law, Wuhan, China**
Subject: finance and trade (B.E.)

Work Experience

12/2022 **LMU Munich (Germany), Education and Educational Psychology, work unit of Prof. Dr. Frank Fischer**
Research Associate and PhD Candidate
09/2021-12/2022 **Peking University (China), Learning Science Laboratory, work unit of Prof. Dr. Junjie Shang**
Research Associate
07/2021-06/2022 **The Ohio State University (USA), Department of Educational Studies, work unit of Prof. Dr. Michael Glassman**
Research Assistant
09/2017-12/2019 **Central China Normal University (China), School of Educational Information Technology, work unit of Prof. Dr. Mingzhang Zuo**
Teaching Assistant
09/2015-06/2017 **Central China Normal University (China), Digital Learning Resource Center**
Technical assistant

Lixiang Gao

Projects & funding

- 02/2025-12/2025 **Empowering High-Order Collaborative Problem-Solving: Integrating Generative AI in Medical and Teacher Education**, funded by LMU-ChAN. (8,000 EUR)
Status: Support for funding acquisition and project staff
- 04/2024-12/2024 **Advancing human learning through combining games and simulations with collaborative learning and Generative AI (GASCO)**, funded by LMU-ChAN. (6,000 EUR)
Status: Support for funding acquisition and project staff
- 2018-2019 **Research on the influence of integrated STEM courses on students' computational thinking and interdisciplinary attitudes**, funded by Central China, Normal University. (10,000 RMB)
Status: PI
- 2017-2018 **Multimedia interactive case design and research**, funded by Central China, Normal University. (6,000 RMB)
Status: Support for funding acquisition and project staff

Research Focuses

- Adaptive instructional support in collaborative learning
- Adaptive instructional support in medical education and teacher education
- Emotional experiences of teachers and students in online synchronous classroom

Memberships and Reviewer Activities

- The European Association for Research on Learning and Instruction (EARLI)
- International Society of the Learning Sciences (ISLS)

Lixiang Gao

Publications

Articles in peer-reviewed journals

Evans, M., Glassman, M., Xu, M., & **Gao, L.** (2023). Social connection, social exploration, social and platform constraints: The construction and validation of a social media user perception scale.

Psychology of Popular Media. Advance online publication. <https://doi.org/10.1037/ppm0000515>

Tilak, S., Glassman, M., Peri, J., Xu, M., Kuznetcova, I., & **Gao, L.** (2022). Need satisfaction and collective efficacy in undergraduate blog-driven classes: A structural equation modelling approach. *Australasian Journal of Educational Technology*, 38(6), 75-90.

Gao, L., Luo, H., Wang, W., Zuo, M. (2020) A case study exploring negative emotions of teachers specialized in synchronous online classes. *International Journal of Innovation and Learning*, 31(3), 404-422.

Jiao, X., Ouyang, C., Fan, S., Wang, P. & **Gao, L.** (2019). STEM+C curriculum design and application based on computational thinking teaching. *Educational Information Technology*. 2019(05), 43-46. [In Chinese]

National and international peer-reviewed contributions at conferences

Gao, L., Liu, Y., Chernikova, O., Su, H., Li, Z., Shen, K., Shang, J., & Fischer, F. (2025). Teacher-GenAI Collaboration to Co-Design Lesson Plans: Theoretical Framework and Usability Study, The 18th International Conference on Computer-Supported Collaborative Learning - CSCL 2025. International Society of the Learning Sciences (ISLS). Accepted.

Gao, L., Chernikova, O., & Fischer, F. (2025). Supporting Collaborative Learning Across Different Domains and Tasks: A Meta-Analysis, Realising Potentials through Education: Shaping the Minds and Brains for the Future - The European Association for Research on Learning and Instruction (EARLI). Accepted.

Gao, L., Fischer, F., Stadler, M., & Chernikova, O. (2024). Adaptive Instructional Support in Computer-Supported Collaborative Learning: A Meta-analysis. In Clarke-Midura, J., Kollar, I., Gu, X., & D'Angelo, C. (Eds.), *Proceedings of the 17th International Conference on Computer-Supported Collaborative Learning - CSCL 2024* (pp. 245-248). International Society of the Learning Sciences.

Zuo, M., **Gao, L.**, Wang, W., & Luo, H. (2020). A Sense of Fulfillment or Inevitable Stress? Unraveling the Phenomenon of Teacher Anxiety in Synchronous Online Classroom for Rural Education. *Proceedings of ISET'2020: the 6th International Symposium on Educational Technology 2020*. Online: Springer International Publishing. [EI/CPCI]

Jiao, X., Ouyang, C., Fan, S., Wang, P., **Gao, L.**, Li, X. & Zhang, Y. (2019) The construction and effectiveness of integrated STEM curriculum design based on computational thinking teaching. *Proceedings of the 23rd Global Chinese Conference on Computers in Education (GCCCE 2019)* (pp.690-693). Wuhan, China: Central China Normal University.

Munich, 04/17/2025

Lixiang Gao