

# Lixiang Gao

## Curriculum Vitae

### Personal Data

Name	<b>Lixiang Gao</b>
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ORCID	<a href="https://orcid.org/0000-0001-8397-8052">https://orcid.org/0000-0001-8397-8052</a>
ResearchGate	<a href="https://www.researchgate.net/profile/Gao-Lixiang">https://www.researchgate.net/profile/Gao-Lixiang</a>
Google Scholar	<a href="https://scholar.google.com/citations?user=-4BjOonnSQoC&amp;hl=en">https://scholar.google.com/citations?user=-4BjOonnSQoC&amp;hl=en</a>

### Academic Qualification

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

### Work Experience

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

# Lixiang Gao

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## Projects & funding

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

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## Research Focuses

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- 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

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## Memberships and Reviewer Activities

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

# Lixiang Gao

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## Publications

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### 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 6<sup>th</sup> 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