

# Yumeng Zhu

Ph.D. Student, Educational Technology

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## Education & Training

Ph.D. Student	<i>Educational Technology, Zhejiang University, Hangzhou, 2021.9–2026.6 (expected)</i> Designing student-centered AI curricula and scaffolding tools for middle school students, AI literacy Supervisors: Yan Li, Wei Fu, Wenzhi Chen, Xuesong Zhai
Visiting Student	<i>Computer Science, University of Oxford, Oxford, 2023.3–2024.4</i> Child-centered AI, AI Ethics Club Supervisors: Jun Zhao
B.A.	<i>Statistics, Zhejiang University, Hangzhou, 2017.9–2021.6</i> Bachelor of Science, Outstanding Graduates of Zhejiang University

## Research Areas

- **Education:** AI curriculum development; AI literacy; computer-based scaffolding.
- **Human-Computer Interaction:** Child-centered AI; privacy and security.

## Professional Experience

2021-present Graduate Student Researcher, College of Education, Zhejiang University

- Projects:
- 2025.06 – 2026.06. Zhejiang University Interdisciplinary Program for Doctoral Students(Sz20250252). Designing a Generative AI-Based Digital Teaching Assistant for Middle School AI Education: A Value-Sensitive Approach. *Host*
  - 2023.09 – 2026.12. National Key Research and Development Program of China, Science and Technology Innovation 2030, Project “Human-Machine Collaborative Learning Community Construction and Support Technology”. *Main participant*
  - 2023.12 – 2024.12. Research on Graduate Student Research Training and Academic Writing Behavior Based on Generative Artificial Intelligence (AI). Research Project on Graduate Student Education in Zhejiang University (YJSJY20240101). *Main participant*
  - 2020.07 – 2023.06. Social Experimental Research on Artificial Intelligence Enabling a Stronger Education Nation. National Science and Technology Innovation 2030-“New Generation of Artificial Intelligence” Major Project “Social Experimental Research on the Comprehensive Impact of Artificial Intelligence” (2019AAA0105403). *Main participant*
  - 2022.01 – 2024.01. Research on Digital Governance Capability of Educational Informatization in Colleges and Universities, Funded by Special Funds for Basic Research Operating Expenses of Central Universities. *Main participant*

## Publications

C=Conference, J=Journal, S=In Submission O=Others

\* indicates cofirst author. † indicates the corresponding author.

- [J.1] Zhu, Y., Wang, G., & Li, Y.<sup>†</sup> (2025). Exploring Early Adolescents’ Willingness to Disclose Personal Data to Online Video Platforms and its Associated Factors. *The Journal of Early Adolescence*. DOI: 10.1177/02724316251334978.
- [J.2] Zhu, Y., Zhai, X., & Li, Y.<sup>†</sup> (2025). Design and validation of a conceptual model for children’s continuance intention to use video apps. *British Journal of Educational Technology*. DOI: 10.1111/bjet.13573.
- [J.3] Zhu, Y., Johnston, S-K., Zhu, C., & Li, Y.<sup>†</sup> (2025). Fostering children’s dispositional autonomy and AI understanding through co-designing AI systems: A learning science perspective. *International Journal of Human-Computer Studies*. DOI: 10.1016/j.ijhcs.2024.103412.

- [J.4] **Zhu, Y.**, Zhu, C., Wu, T., Wang, S., Zhou, Y., Chen, J., Wu, F., & Li, Y.<sup>†</sup> (2024). [Impact of assignment completion assisted by Large Language Model-based chatbot on middle school students' learning](#). *Education and Information Technologies*. DOI: 10.1007/s10639-024-12898-3
- [J.5] **Zhu, Y.** \*, Wang, G. \*, Zhao, J.<sup>†</sup>, & Li, Y. (2024). ["It's like how mom cooks for you, tell her nothing, you only get chicken soup": Understanding children's perception of datafication online in China](#). *International Journal of Human-Computer Interaction*. doi:10.1080/10447318.2024.2372146
- [J.6] **Zhu, Y.**, Sun, D., Boudounaia, A., Jia, C., & Li, Y.<sup>†</sup> (2024). [Demographic and educational correlation of high school students' computational thinking skills: Evidence from four Chinese schools](#). *The Asia-Pacific Education Researcher*. DOI: 10.1007/s40299-024-00858-x
- [J.7] Zhai, X., Xu, J., Chen, N.-S., Shen, J., Li, Y., Wang, Y.<sup>†</sup>, Chu, X., & **Zhu, Y.** (2023). [The Syncretic Effect of Dual-Source Data on Affective Computing in Online Learning Contexts: A Perspective From Convolutional Neural Network With Attention Mechanism](#). *Journal of Educational Computing Research*, 61(2), 466–493. DOI: 10.1177/07356331221115663
- [J.8] Chen, X., Zhai, X., **Zhu, Y.** & Li, Y.<sup>†</sup> (2022). [Exploring debaters and audiences' depth of critical thinking and its relationship with their participation in debate activities](#). *Thinking Skills and Creativity*, DOI:10.1016/j.tsc.2022.101035.
- [J.9] Li, Y., **Zhu, Y.**<sup>†</sup>, Sun, D., Xu, J., & Zhai X. (2024). Exploring the Status of Using Generative Artificial Intelligence in Graduate Students' Research Activities and Influencing Factors - A Case Study Based on Zhejiang University(in Chinese). *Journal of Distant Education*.
- [J.10] Li, Y., **Zhu, Y.**, & Fan, X. (2024). [Exploration and implications of AI ethics education for adolescents: A case study of MIT\(in Chinese\)](#). *Modern Distance Education*, (01), 3–13. DOI: 10.13927/j.cnki.yuan.20240022.001. (Reprinted in *Educational Digest Weekly*).
- [J.11] **Zhu, Y.**, Li, Y., Yang, Y., & Zhai, X. (2023). [Transforming higher education through intelligent technologies: Key points and reflections on the 2023 Horizon Report: Teaching and Learning Edition\(in Chinese\)](#). *Open Education Research*, (03), 19–30. DOI: 10.13966/j.cnki.kfjyyj.2023.03.002. (Reprinted in *Higher Education, People's University Reprographic Materials*).
- [J.12] **Zhu, Y.**, Dou, L., Xu, X., & Wu, F.<sup>†</sup>. (2023). [Exploring computational approaches in education research\(in Chinese\)](#). *Modern Educational Technology*, (02), 33–42. (Reprinted in *Pedagogy, People's University Reprographic Materials*)
- [J.13] Li, Y., **Zhu, Y.**, & Zhai, X. <sup>†</sup>(2022). [Trends and implications of technology-empowered higher education transformation under the impact of the pandemic: A comparative study based on the 2020–2022 Horizon Reports\(in Chinese\)](#). *Modern Educational Technology*, (08), 14–25.
- [J.14] **Zhu, Y.**, Li, Y.<sup>†</sup>, Zhai, X., & Chen, W. (2021). [Analysis and implications of China's educational informatization policies \(2000–2020\) based on text big data\(in Chinese\)](#). *Journal of Beijing Institute of Education*, (05), 49–58. DOI: 10.16398/j.cnki.jbjeissn1008-228x.2021.05.008
- [J.15] Zhai, X., **Zhu, Y.**, Zhang, Z., Wang, H., & Chen, W.<sup>†</sup>. (2021). [Evaluating governance capability of educational informatization in universities: Definition, practice, and reflection\(in Chinese\)](#). *Open Education Research*, (05), 24–33. DOI: 10.13966/j.cnki.kfjyyj.2021.05.003
- [J.16] Li, Y., Chen, X., Sun, D., **Zhu, Y.**, & Zhai, X.<sup>†</sup>. (2021). [From "transparent person" to "practitioner": Challenges and responses to university information security—Insights from the 2021 Horizon Report \(Information Security Edition\)\(in Chinese\)](#). *Journal of Distance Education*, (03), 11–19. DOI: 10.15881/j.cnki.cn33-1304/g4.2021.03.002
- [J.17] Zhai, X., Shu, Y., Chu, X., & **Zhu, Y.** (2020). [Educational applications and measurements of lightweight physiological feedback technology: A literature review from 2015–2020\(in Chinese\)](#). *Open Education Research*, (06), 37–46. DOI: 10.13966/j.cnki.kfjyyj.2020.06.004
- [C.1] **Zhu, Y.** & Li, Y. (2023). Information disclosure behaviors of Chinese middle school students and their influencing factors. In *Association for Educational Communications and Technology (AECT)*. 2023, Florida, USA. Proposal presentation.
- [C.1] **Zhu, Y.**, Sun, D., & Li, Y. (2022). Computational Thinking Skills of Chinese middle school students and their influencing factors. In *Association for Educational Communications and Technology (AECT)*. 2022, online. Proposal presentation.
- [O.1] Zhao, J., **Zhu, Y.**, & Wang, G. (2023). [Outreach Programme: AI + Ethics Club](#), online
- [O.2] **Zhu, Y.**, Zhao, J., & Wang, G. (2023). [Report for the Outreach of OXCAI: AI + Ethics Club in 2023](#), online
- [O.3] **Zhu, Y.**, & Fan, X. (2023). Embedding AI Ethics into AI curriculum for middle school students. *Zhejiang Education News*.
- [S.1] **Zhu, Y.**, Johnston, S-K., & Li, Y.<sup>†</sup> (2024). Systematic Review on AI Literacy across Different Learning Contexts. *Review of Educational Research*. Awaiting Final Decision.

- [S.2] **Zhu, Y.,** & Li, Y.<sup>†</sup> (2024). ‘I am in charge of my learning and you are my assistant’: Co-designing with middle school children for intelligent tutoring systems. *International Journal of Human-Computer Studies*. Under Review.
- [S.3] **Zhu, Y.\***, Ma, X. \*, & Li, Y.<sup>†</sup> (2024). Graduate Students’ Perceived Psychological Needs and Continuous Intention to Use Generative AI in Research: A Latent Profile Analysis Based on Self-Determination Theory. *The International Journal of Educational Technology in Higher Education*. Under Review.

## Honors and Awards

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- 2025 Doctoral Student Rising Star Training Programme, Zhejiang University
- 2024 Outstanding Graduate Student, Zhejiang University
- 2023 Best Student Presentation Award at the 2023 AECT/SICET International Conference
- 2023 Junsheng Interdisciplinary Scholarship, Zhejiang University
- 2023 Outstanding Graduate Student, Zhejiang University
- 2023 Excellent Achievement Award of College of Education, Third Prize, Zhejiang University
- 2022 Ph.D. Excellent Training Scholarship, Zhejiang University
- 2022 4<sup>th</sup> Zhang Dingzhang/Tong Miaoqin Overseas Exchange Scholarship, College of Education, Zhejiang University
- 2022 Outstanding Graduate Student, Zhejiang University
- 2021 3<sup>th</sup> Zhang Dingzhang/Tong Miaoqin Overseas Exchange Scholarship, College of Education, Zhejiang University
- 2021 Ph.D. Academic Scholarship, Zhejiang University
- 2021 [Team Leader] Winning Team of UNESCO Global Media and Information Literacy Youth Hackathon (Top 6 globally)
- 2020 Academic Excellence Model, Zhejiang University
- 2018 Academic Excellence Model, Social Work Excellence Model, Public Service Excellence Model, and Sports and Cultural Activities Excellence Model, Zhejiang University
- 2018 Outstanding Student Leader, Danqing College, Zhejiang University

## Service

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### Courses Taught

**Zhejiang University, College of Education**

**Undergraduate Course: Learning Sciences and Technology**

*Teaching Assistant.* Oversaw lecture slides, group discussions, assignments, exams, and final projects.

**University of Oxford, Department of Computer Science**

**Postgraduate Course: Requirements.**

*Teaching Assistant.* Group discussions.

### Paper Reviewing

The Asia-Pacific Education Researcher, ISIL 2025, CSCW 2024, ACM Designing Interactive Systems Conference (DIS) 2024

### Operations Committees

Session Co-Chair, AI and Education, China Education Forum, University of Toronto, 2024

Session Co-Chair, AI and Education, China Education Forum, University of Toronto, 2025

### Outreach

2023.04-2023.06, AI + Ethics Club for primary school, Oxfordshire, UK

2024.09-2024.12, AI + Ethics Club for middle school, Hangzhou, China

## Invited Talks and Media Coverage

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- 2025.04 Harvard China Education Symposium - Special Event on Education Technology
- 2024.12 Invited Talks on AI in Education. Huawei Junior Developer Training Program
- 2024.09 Invited Talks on how to apply GenAI as a scaffolding tool in middle school teaching. Lanrun Angel Foreign Language Experimental School.
- 2022.12 Invited talks on Zhejiang University’s experience in digital transformation of education. UNESCO International Forum on AI and Education
- 2021.12 Invited talks on Live Action Role Playing. UN Information Literacy Seminar