

Kunlei He

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Research interests

Child-Computer Interaction, Conversational Interface, Early Childhood Learning

Education

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| 2022–2027
(Expected) | University of California, Irvine – Irvine, CA
Ph.D. in Education
Advisors: Professors Mark Warschauer, & Penelope Collins. |
| 2019–2020 | Harvard Graduate School of Education – Cambridge, MA
M.Ed. in Language and Literacy
Advisor: Professor Catherine Snow. |
| 2015–2019 | Wuhan University – Wuhan, China
B.A. in German |

Honors and scholarships

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| 2022 | Teaching in Research Fellowship (University of California, Irvine) |
| 2020 | Harvard Operation Impact First Prize (Harvard University) |
| 2020 | Harvard President Innovation Challenge Semifinalist (Harvard University) |

Publications

Peer-reviewed Conference Proceedings

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| 2023 | Xu, Y., He, K. , Vigil, V., Ojeda-Ramirez, S., Liu, X., Levine, J., Cervera, K., & Warschauer, M. (2023, June) . “Rosita Reads With My Family”: Developing A Bilingual Conversational Agent to Support Parent-Child Shared Reading. <i>In Proceedings of the 22nd ACM International Conference on Interaction Design and Children (IDC '23)</i> . Association for Computing Machinery, Chicago, IL, USA (Best Paper Award) |
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Journal Articles

- 2021 **He, K.**, & Bowman, Y. Z. (2021). Association between teachers' shared book reading strategies and children's vocabulary development in rural China preschools. *Journal of Chinese Writing Systems*, 5(3), 185-193.

Conference Presentations

- 2023 **He, K.**, Xu, Y., Vigil, V., Ojeda-Ramirez, S., Cervera, K., & Warschauer, M. (2023, April). *Developing a Bilingual Dialogic Ebook with a Conversational Agent for Hispanic Families* [Paper session]. American Educational Research Association Annual Meeting, Chicago, IL.
- 2023 **He, K.**, Xu, Y., & Warschauer, M. (2023, February). *Leveraging Large Language Models to Improve the Design of Conversational Agents for Young Children's Learning*. CHI 2023 Workshop on Child-centred AI Design: Definition, Operation and Considerations, Hamburg, Germany.
- 2021 **He, K.**, & Bowman, Y. Z. (2021, April). *Association between Shared Book Reading Strategies and Children's Vocabulary Development in Rural China Preschools*. [Poster session]. American Educational Research Association Annual Meeting, Virtual.

Teaching experience

- 2022 **Guest lecturer**, EDUC 134 Teaching English Internationally
Guest lecturer, EDUC 134 AI in Education

Research experience

- 2022–Present **Digital Learning Lab**, University of California, Irvine
 Mentors: Dr. Mark Warschauer & Dr. Ying Xu.
 Design and evaluate AI-powered conversational agents to promote children's language and STEM learning.
- 2021–2022 **The Snow Lab**, Harvard Graduate School of Education
 Mentors: Dr. Catherine Snow & Dr. Si Chen.
 Examined the associations between teachers' shared book reading teaching strategies and children's language learning outcomes.

University service

- 2022–Present Digital Learning Lab Coordinator

2023 UCI DECADE Peer Mentor
 UCI School of Education Recruitment Weekend Student Buddy

Mentorship

2022–Present I mentored undergraduate students in the UCI Undergraduate Research Opportunities Program (UROP). My mentees include Dieyu Ouyang, Ayerim Estrada, and Samantha Lee Phung.