

Kunlei He

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Research interests

Conversational Technologies, Child-Computer Interaction, STEM Learning, Language and Literacy

Education

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|----------------|---|
| 2022 – Present | University of California, Irvine – Irvine, CA
Ph.D. in Education
Advisors: Professors Mark Warschauer, & Penelope Collins. |
| 2019 – 2020 | Harvard Graduate School of Education – Cambridge, CA
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

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 |
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- 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.
- 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.

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.

Research experience

- July 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.
- June 2021 – March 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.

Mentorship and service

- September 2022 – Present **Digital Learning Lab Coordinator**
Organize weekly lab meetings and manage guest speaker outreach.