

BELLE LI, PH.D. CANDIDATE

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EDUCATION

PURDUE UNIVERSITY

West Lafayette, IN, U.S.

- Doctor of Learning Design and Technology
- Advisor: Dr. Victoria Lowell & Dr. Marisa Exter
- Dean's Doctoral Fellowship

Expected 2026

INDIANA UNIVERSITY BLOOMINGTON

Bloomington, IN, U.S.

- Masters of Instructional System Technology
- Advisor: Dr. Curtis Bonk

2020

TAIYUAN NORMAL UNIVERSITY

Shanxi, CHINA

- Bachelor of Language Education

2018

RESEARCH INTERESTS

- Authentic Learning and Design in AI/XR/Mobile Learning
- AI-assisted Self-directed Learning
- Personalized Assessment for Multilingual Learners

PUBLICATIONS

Citation 425 h-index 7

Peer-Reviewed Journal Publications

* Denotes SSCI-indexed journal

- *Yang, M., Luo, T., Herman, K., *Li, B., Jiang, S., & Kim, J. (In Press). Examining Non-traditional Online Learners' Ownership of Learning in the Context of ChatGPT-facilitated Design. *Journal of Computing in Higher Education*. (Q1, IF \approx 5.3)
- *Li, B., Zhang, Z., Lowell, V., Wang, C., & Bonk, C. J. (2025). Development and validation of the PA-SDA Scale: Measuring personal attributes in AI-integrated self-directed language learning. *System*, 133, 103793. <https://doi.org/10.1016/j.system.2025.103793> (Q1, IF \approx 5.6).
- *Li, B., Tan, L.Y., Wang, C., & Lowell, V. (2025). Two Years of Innovation: A Systematic Review of Empirical Generative AI Research in Language Learning and Teaching. *Computers and Education: Artificial Intelligence*, 9, 100445. <https://doi.org/10.1016/j.caeai.2025.100445> (Q1, IF \approx 10.5).
- *Li, B., & Hikmatilla, U. (2025). Getting viral on social media: Exploring Chinese language EduTubers' perceptions and practices. *Innovation in Language Learning and Teaching*. 1–25. <https://doi.org/10.1080/17501229.2025.2505700> (Q1, IF \approx 4.6).

- *Yang, M., Jiang, S., *Li, B., Herman, K., Luo, T., Moots, S. C., & Lovett, N. (2025). Analysing nontraditional students' ChatGPT interaction, engagement, self-efficacy and performance: A mixed-methods approach. *British Journal of Educational Technology*. Advance online publication. <https://doi.org/10.1111/bjet.13588> (Q1, IF \approx 8.1).
- Aslan, S., Alyuz, N., *Li, B., Durham, L. M., Shi, M., Sharma, S., & Nachman, L. (2025). An Early Investigation of Collaborative Problem Solving in Conversational AI-Mediated Learning Environments. *Computers and Education: Artificial Intelligence*, 100393, <https://doi.org/10.1016/j.caeai.2025.100393> (Q1, IF \approx 10.5).
- Yan, W., *Li, B., & Lowell, V. L. (2025). Integrating artificial intelligence and extended reality in language education: A systematic literature review (2017–2024). *Education Sciences*, 15(8), 1066. <https://doi.org/10.3390/educsci15081066> (Q1, IF \approx 2.6).
- Yang, M., Lovett, N., *Li, B., & Hou, Z. (2025). Towards dynamic learner state: Orchestrating AI agents and workplace performance via the Model Context Protocol. *Education Sciences*, 15(8), 1004. <https://doi.org/10.3390/educsci15081004> (Q1, IF \approx 2.6).
- Lovett, N., Yang, M., Herman, K., *Li, B., Sosonkina, M., Purwanto, W., Jiang, P., & Wu, M. H. (2025). Leveraging large language models to create learner personas for training design. *Journal of Applied Instructional Design*, 14(3). retrieval link: https://jaid.edtechbooks.org/jaid_14_3/fkuqikevdr
- Li, X., *Li, B., Li, J., & Cho, S.-J. (2025). Technology review of Magic School AI: An intelligent way for education inclusivity and teacher workload reduction. *Education Sciences*, 15(8), 963. <https://doi.org/10.3390/educsci15080963> (Q1, IF \approx 2.6).
- *Li, B., Lowell, V., Watson, & Wang, C. (2024). A systematic review of the first year of publications on ChatGPT and language education: Examining research on ChatGPT's use in language learning and teaching. *Computers and Education: Artificial Intelligence*, 100, 100266. <https://doi.org/10.1016/j.caeai.2024.100266> (Q1, IF \approx 10.5).
- *Li, B., Wang, C., Bonk, C. J., & Kou, X. (2024). Exploring inventions in self-directed language learning with generative AI: Implementations and perspectives of YouTube content creators. *TechTrends*. <https://doi.org/10.1007/s11528-024-00960-3> (Q1, IF \approx 3.8).
- *Li, B., Bonk, C. J., Wang, C., & Kou, X. (2024). Reconceptualizing self-directed learning in the era of generative AI: An exploratory analysis of language learning. *IEEE Transactions on Learning Technologies*, 17(3), 1515-1529. <https://doi.org/10.1109/TLT.2024.3386098> (Q1, IF \approx 4.9).
- *Li, B., Bonk, C. J., & Kou, X. (2023). Exploring the multilingual applications of ChatGPT: Uncovering language learning affordances in YouTuber videos. *International Journal of Computer-Assisted Language Learning and Teaching (IJCALLT)*, 13(1), 1-22. <http://doi.org/10.4018/IJCALLT.326135> (Q2, IF \approx 2).
- *Bao, Y., & Li, B. (2023). A Preliminary Study on Graduate Student Instructors' Exploration, Perception, and Use of ChatGPT. *International Journal of Computer-Assisted Language Learning and Teaching (IJCALLT)*, 13(1), 1-23. <https://doi.org/10.4018/IJCALLT.332873>

- ***Li, B.,** Kou, X., & Bonk, C. J. (2023). Embracing the disrupted language teaching and learning field: Analyzing YouTube content creation related to ChatGPT. *Languages*, 8, 197. <https://doi.org/10.3390/languages8030197> (Q1, IF \approx 1.9).
- ***Li, X., *Li, B.,** & Cho, S. (2023). Empowering Chinese language learners from low-income families to improve their Chinese writing with ChatGPT's assistance afterschool. *Languages* 2023, 8, 238. <https://doi.org/10.3390/languages8040238> (Q1, IF \approx 1.9).
- ****Pawan, F., Li, B.,** Nijati, S., Dopwell. B. M., Harris, A., & Iruoje, T. (2023). Culturally- and linguistically-responsive online teacher learning professional development. *Online Learning*, 27(4). <https://doi.org/10.24059/olj.v27i4.4003> (Q1, IF \approx 4.1)

Refereed Proceedings Papers

- ***Crum, S., Li, B.,** Kou, X. (2024). Generative Artificial Intelligence and Interactive Learning Platforms: Second Language Vocabulary Acquisition. In: Stephanidis, C., Antona, M., Ntoa, S., Salvendy, G. (eds) *HCI International 2024 Posters*. HCII 2024. Communications in Computer and Information Science, vol 2117. Springer, Cham. https://doi.org/10.1007/978-3-031-61953-3_6

Book Chapters

- ***Li, B.,** & L. Lowell, V. (2024). Implementing Design Thinking: A Mobile Application for Heritage Chinese Learners to Overcome Challenges in Learning Chinese Characters. In: Schmidt, M., Earnshaw, Y., Exter, M., Tawfik, A., Hokanson, B. (eds) *Transdisciplinary Learning Experience Design*. Educational Communications and Technology: Issues and Innovations. Springer, Cham. https://doi.org/10.1007/978-3-031-76293-2_12
- ***Li, B.,** Ma, Y., & Lyu, X. (2023). Bring together native speakers around the world: A foreign language flagship program's online experience during COVID. In Chen R. (Ed.), *The Future of Remote and Hybrid Work in Global Higher Education: Perceptions, Policies, and Practices during COVID-19. essay*, Palgrave Macmillan/Springer.

Book

- ***Li, B.,** & Li, H. (2021). [Techniques of Teaching English](#). Zhejiang University Press.
 - Circulation: 1000+
 - Adopted by Zhejiang Ocean University as its official textbook

Under Review

- Mao, Y., & ***Li, B.** (Under Review). Choosing the future of learning: Assessing preferences for educational GPTs through a discrete choice experiment. *International Journal of Artificial Intelligence in Education*.

- ***Li, B.**, Mao, Y., Zhang, Y., Niu, W., & Qian, J. (Under Review). Coding their choices: Assessing student preferences for statistical software through a discrete choice experiment. *Journal of Educational Computing Research*.
- ***Li, B.**, Zhang, Z., & Lowell, V. (Under Review). Pathways to Proficiency: Mapping the Structural Relationships of Personal Attributes in AI-Integrated Self-Directed Language Learning. *Language Learning & Technology*.
- ***Li, B.**, Exter, M., Tang, G., Xu, K., & Feng, W. (Major Revision, Under Review). A Systematic Review of Language Educator' Perspectives, Practices, and Professional Development in the GenAI Era: Empirical Insights from SSCI-indexed Journal Articles. *International Journal of Artificial Intelligence in Education*.
- Ye, J., Yang, X., ***Li, B.**, Nong, W., Wang, L. (Under Review). Factors Associated with AI-Assisted Learning Satisfaction and Acceptance Among Vocational College Students: An AIDUA Model Perspective. *European Journal of Education*.
- Li, X., Cho, S. & ***Li, B.** (Minor Revision, Under Review). Impact of AI on Language Teaching Pedagogy: A Participatory Action Research Study. In S. Wyatt (Eds.) *Emerging Technologies in Second Language Teaching and Learning: Artificial Intelligence, Adaptive Learning, Virtual Spaces, and Beyond*. Vernon Press
- ***Li, B.**, & Lowell, V. (3rd Round Revision). AI-generation literacy. In L. McCallum & D. Tafazoli (Eds.), *The Palgrave Encyclopedia of Computer-Assisted Language Learning*. Palgrave Macmillan.
- ***Li, B.**, Lowell, V., & Hou, Z. (Proposal Accepted). Design precedents to design innovation: Developing an Advanced AI Monitoring for Writing Assessment. *Journal of Computing in Higher Education*.

RESEARCH FUNDING/GRANTS SUBMITTED OR IN REVIEW

- NSF: Collaborative Research: T3-CIDERS: A Train-the-Trainer Approach to Fostering CI- and Data-Enabled Research in CyberSecurity (Awarded, 2023-2027)
 - Amount: \$ 1 million
 - Wu, H., Sosonkina, M. (Arizona; Lead PI), Yang, M., Purwanto, W., & Jiang, P.
 - Role: I contributed to research evaluation design, instructional design, and training material development.
- Spencer Vision Grant, Transforming Online Learning Through AI Presence: Equitable Support of Non-Traditional Students (not awarded; in the process of resubmission)
 - Amount: \$ 74,729
 - Collaborators: Victoria Lowell (Purdue; Lead PI), Belle Li (Purdue), Jon Harbor (Purdue), Judy Lewandowski (Purdue), Kenneth N. Wilson (Purdue).
 - Role: I initiated the project and the planning and served as the lead writer of the whole proposal.
- Spencer Small Grant, Global Language Learners Using GenAI Tools: Personal Attribute and Learning Process (not awarded; in the process of resubmission).
 - Amount: \$50,000

- Collaborators: Victoria Lowell (Purdue; Lead PI), & Belle Li.
- Role: I initiated the project and the planning and served as the lead writer of the whole proposal.
- NSF Collaborative Research, Immersive, Personalized, and Accessible Cybersecurity Training (IMPACT): Developing Future-ready Competencies Empowered by AI for Middle and High Schoolers (Rated “Competitive” but not awarded; in the process of resubmission)
 - Amount: \$ 3,200,000
 - Collaborators: Mohan Yang (Texas A&M, PI), Sarah Nagro, Jinsil Seo, Sandra Nite, Belle Li (student collaborator)
 - Role: I involved in the project brainstorming and planning and contributed to the writing.
- NSF Collaborative Research, Beginnings: SEED: Securing the Future of Agriculture Through Experiential-Learning-Based Cybersecurity Education (Rated “Competitive” but not awarded; in the process of resubmission)
 - Amount: \$ 1,000,000
 - Collaborators: Peng Jiang (University of Nebraska Omaha; PI); Mohan Yang (Texas A&M; PI), Grispos, G., Zhang, X., Landaverde, R. A., Belle Li (student collaborator)
 - Role: I involved in the project brainstorming and planning and contributed to the writing.
- Spencer Small Grant, Exploring Inventions in Self-Directed Language (Finalist)
 - Amount: \$50,000
 - Collaborators: Curt Bonk (IU; Lead PI), Belle Li (Purdue), & Xiaojing Kou (IU).
 - Role: I initiated the project and the planning and served as the lead writer of the whole proposal.

PROFESSIONAL EXPERIENCE

INDIANA UNIVERSITY (2021-2023) Bloomington, IN
 Visiting Faculty (Pedagogy Specialist & Tutor Coordinator), Department of East Asian Language and Cultures (EALC)

- Recruited, trained, and managed 200+ tutors from local and overseas
- Evaluated curricula and programs of instruction, developed curricula and assessments, assisted with reporting and with program development
- Taught SGIS-S 300 (intersession): Advanced Academic Chinese Essay Writing
- Taught EALC-X 490 (regular semester): Chinese Language Practice
- Taught EALC-C 409 (regular semester): Independent Study for Capstone students

HILINK.LLC (2020-2021) Chicago, IL
 Product Manager & Curriculum Coordinator, HiLink education

- Performed competitor analysis by investigating companies with related products on the market
- Led a design team of three to develop an all-in-one Learning Management System (LMS) tool from scratch and a curriculum team of five to create 300+ learning materials and prepared business plans and slides, which helped the company survive at the seed round

- Designed an automation workflow on Trello for the curriculum and design team, which dramatically increased the teams' performance and was adopted across the company

INDIANA UNIVERSITY-PURDUE UNIVERSITY INDIANAPOLIS (2020-2021) Indianapolis, IN
Instructional & Research Manager, Cyber Lab

- Improved LMS functionally by conducting competitor analysis, client interviews, and user activity data analysis
- Created and posted CourseNetworking tutorials and promotional videos on YouTube to promote the newly developed products - pathway course

TEACHING EXPERIENCE

PURDUE UNIVERSITY West Lafayette, IN

- EDCI 557 Co-Instructor (Fall 2025/Distance/Asynchronous): Strategic Assessment & Evaluation
- EDCI 676 Co-Instructor (Spring 2024/FTF): Writing a Literature Review (Graduate Level)

CONNETED Irvine, CA

- MET201 Associate Instructor (Online/Synchronize): Meta-analysis

BEIJING NORMAL UNIVERSITY Beijing, CHINA

College of Education May 2022 – June 2022

- Co-teacher with Dr. Pawan (Online/Hybrid): English Language Teacher Professionalism (Graduate Level)

INDIANA UNIVERSITY Bloomington, IN

- SGIS-S 300 Instructor: Advanced Academic Chinese Essay Writing
- EALC-X 490 Instructor: Independent Study for Capstone students
- EALC-C 409 Instructor: Chinese Language Practice
- EALC-C 401 Associate Instructor: Elementary Chinese
- EALC-C 101 Associate Instructor: Fourth-Year Chinese
- EALC-C 457 Guest Instructor: Chinese in Humanities

ACADEMIC PRESENTATIONS

* Denotes upcoming presentation

- *Zhang, Z., Li, B., Xu, Q., & Cheng, Z. (2025, October). *The effect of artificial intelligence on self-regulation: A systematic review and meta-analysis*. AECT International Convention, Las Vegas, NV.
- *Yang, M., Jiang, S., Li, B., Herman, K., Luo, T., Moots, S. C., & Lovett, N. (2025, October). *Analyzing nontraditional students' ChatGPT interaction, engagement, self-efficacy, and performance: A mixed-methods approach*. AECT International Convention, Las Vegas, NV.
- *Li, B., Wang, J., & Tan, Y. (2025, October). *Artificial authenticity and academic integrity in an age of generative AI: Exploring higher education instructors' perspectives*. AECT International Convention, Las Vegas, NV.

- *Yan, W., **Li, B.**, & Lowell, V. (2025, October). *Transforming language learning: A systematic review of AI-integrated XR applications*. AECT International Convention, Las Vegas, NV.
- *Yang, M., Luo, T., Herman, K., **Li, B.**, Jiang, S., Glaser, N., & Moots, S. C. (2025, October). *Exploring students' use of generative AI in learning design through the lens of ownership*. AECT International Convention, Las Vegas, NV.
- *Yang, M., **Li, B.**, Herman, K., Purwanto, W., Lovett, N., Moots, S. C., Jiang, P., Sosonkina, M., & Wu, H. M. (2025, October). *Building cyberinfrastructure workforce: Lessons from the first cohort of a train-the-trainer program*. AECT International Convention, Las Vegas, NV.
- Chi, Z., Cai, H., ***Li, B.**, & Song, X. (2025). *Country and gender differences in the humorous leadership-employee innovation relationship*. 85th Annual Meeting of the Academy of Management (AoM), Copenhagen, Denmark.
- *Li, B., Tan, L. Y., Wang, C., & Lowell, V. (2025, April 24). *Two Years of Innovation: A Systematic Review of Empirical Generative AI Research in Language Learning and Teaching*. AERA 2025, Denver, Colorado
- *Li, B., Zhang, Z., Lowell, V., Wang, C., & Bonk, C. J. (2025, April 24). *Development of an Instrument to Measure AI-integrated SDL Personal Attributes for Global Language Learners*. AERA 2025, Denver, Colorado
- Li, S., Bonk, C. J., Wang, W., & Kou, Z. (2024, Oct 22) *Embracing the Disrupted Language Teaching and Learning Field: Analyzing YouTube Content Creation Related to ChatGPT*. AERA 2024, Philadelphia, Pennsylvania
- Li, S., Bonk, C. J., Wang, W., & Kou, Z. (2024, Oct 21) *Exploring Inventions in Self-Directed Language Learning With Generative AI: Implementations and Perspectives of YouTube Content Creators*. AERA 2024, Philadelphia, Pennsylvania
- Li, S., Bonk, C. J., Wang, W., & Kou, Z. (2024, Oct 20) *Reconceptualizing the Self-directed Language Learning in the Era of Generative AI: An Exploratory Analysis*. AERA 2024, Philadelphia, Pennsylvania
- Li, S. (2023, Oct 15) *Making Sense of EduTubers: Investigating the Co-Construction and Reinvention of Identities through EduTubers' Digital Literacy Practices*. ACET 2023, Orlando, FL
- Li, S. (2023, Oct 17) *Designing Authentically and Structurally: Design-Based Research as An Innovative Approach to Promote Chinese Typing Learning*. ACET 2023, Orlando, FL
- Li, S. (2023, March 31-April 2) *Designing Authentically and Structurally: Design-Based Research as An Innovative Approach to Promote Chinese Typing Learning*. CLTA 2023, Washington, D.C
- Chen, Y., Dong, X., Li, S., & L. Ding. (2023, March 31-April 2) *Designing Authentic and Impactful Language Learning Projects*. CLTA 2023, Washington, D.C
- Lyu, X., & Li, S. (2023, March 31-April 2) *Translation in the New Era of Chinese Language Pedagogy: Status, Applications, and Assessment*. CLTA 2023, Washington, D.C
- Pawan F., Li, S., et al. (2023, April 13-16th) *Literature Review of Culturally- & Linguistically Online Professional Development*. AERA, Chicago, IL

- Pawan F., & Li, S. (2023, March 23th) Cross-cultural comparison of inclusive teacher professional development in Indiana & Beijing, TESOL 2023 International Convention & English Language Expo, Portland, Oregon
- Li, S., & Lyu, X. (2022, November 3-5th) *Bring together native speakers around the world: A foreign language flagship program's online experience during COVID*. 54th IFLTA conference, Indianapolis, IN
- Pawan F., Li, S., et al. (2022, October 25th) *Literature Review of Culturally- & Linguistically Online Professional Development*. AECT International Convention. Las Vegas, Nevada
- Ke, P., Li, S., et al. (2022, July 16) *Diversity, Equality, and Inclusion: Myths about One's Role in a Family and Society* (Teaching Demo), Taiwan National University
- Li, S., Ma, Y., & Lyu, X. (2022, April 10th) *Improve Tutor Session Learning Experience: Designing and Implementing a One-on-One Online Chinese Tutoring Mode from the Perspective of the ARCS Model*, CLTA 2022 annual conference – 60th anniversary.
- Li, S., Ma, Y., & Lyu, X. (2022, April 4th) *From Pedagogy to Heutagogy: A Self-determined Learning Approach for Advanced Chinese Courses through the Case of Advanced Chinese Writing*, 29th Conference on Chinese Language Instruction, Princeton University, NY

SERVICE

Academic Service

- Invited talk to graduate students in the Instructional Design and Technology (IDT) program – Old Dominion University, April 15, 2025
- Invited talk to graduate students at R678 - Indiana University Bloomington. February 14, 2023
- Invited talk to students and faculty at Chinese Tidings - Indiana University Bloomington. November 2nd, 2023
- Invited talk to graduate students and faculty at EDTECH 698 - Boise State University. September 20, 2023

Journal and Conference/Award Service

- Reviewer of *Computer and Education, Learning and Instruction, Reviewer of Online Learning Journal (OLJ), Language Teaching Research, Innovation in Language Learning and Teaching, System, IEEE Transactions on Learning Technologies, BMC Psychology, Journal of Infrastructure, Policy and Development, Journal of Computing in Higher Education, Social Psychology of Education, f1000research, Applied AI Letters, Acta Psychologica, Journal of Infrastructure, Policy and Development (JIPD)*
- Review of *P-12 Conference at Purdue University, AECT Summer Research Symposium*

Award

- Review Applications for the 2024 CATESOL Ron Lee Technology Award

Student Leadership

- Marketing and Communication Lead, Purdue Association of Learning Design and Technology (PALDT) 2024-2025

HONORS, AWARDS, AND RECOGNITIONS

Global Smart Education Innovation – Research Innovation Prize (2025)

- Development and Validation of the PA-SDA Scale for AI-Integrated Self-Directed Language Learning.
 - Presented at the Global Smart Education Conference 2025, Beijing Normal University, Beijing, China, August 20, 2025.
 - Awarded with research team members: Belle Li, Zhuo Zhang, Victoria Lowell, Chaoran Wang, and Curtis J. Bonk

Outstanding Publication Award (2025)

- An early investigation of collaborative problem solving in conversational AI-mediated learning environments.
 - Association for Educational Communications and Technology (AECT)

Graduate Student & Travel Awards (2023–2025)

- Curriculum and Instruction and Learning Design & Technology Programs, Purdue University
 - Includes:
 - Graduate Student Hackney Travel Award (\$750 each, 2024–2025)
 - Graduate Student Travel Award (\$384–\$500 each, 2023–2025)
 - LDT Travel Support Program (\$250 each, 2023–2025)
 - PGSG Grant (\$750, 2025)
 - Graduate School Travel Grant (\$300, 2024)

Dean’s Doctoral Fellowship (2023–2027)

- Purdue University (\$61,463)

Tech Center Design Studio Award (2022)

- University of Hawai‘i at Mānoa (\$6,000)

AI-ship (2019)

- Indiana University Bloomington, Department of East Asian Languages and Cultures (\$57,600)

National Scholarship for Undergraduate Students (2017)

- Ministry of Education of China

MEMBERSHIP IN PROFESSIONAL AND ACADEMIC SOCIETIES

- American Educational Research Association (AERA) (2023 – Present)
- Association for Educational Communications and Technology (AECT) (2023 – Present)