Yujin Kim | Curriculum Vitae, *November 2026*

PhD Student
Department of Computer Sciences, University of Wisconsin–Madison, Madison, WI, USA

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Research Interests

My research asks how we can build ***educator-centered AI*** for teaching and learning. I **discover** critical sociotechnical gaps between AI and real-world classrooms, **develop** tools, frameworks, and design spaces for educators to shape how AI augments teaching, and **evaluate** AI systems through pedagogical criteria, benchmarks, and educator-led methods. I have also worked on human-AI interaction with embedded systems (e.g., robots), human-AI co-creation, data annotation for AI, and accessibility.

Education

2024– PhD, Computer Sciences, University of Wisconsin–Madison, Madison, WI, May 2029 (expected)
Advisor: Prof. Devansh Saxena · *Working closely with:* Prof. Shamya Karumbaiah
Four years of full funding

2022–2023 Visiting Student (non-degree), Software and Societal Systems, Carnegie Mellon University, Pittsburgh, PA
Mentors: Prof. David Lindlbauer, Prof. Yukang Yan
Supported by the National AI Talent Scholarship, Ministry of Science and ICT, South Korea

2021–2024 MS, Computer Science and Engineering, Ewha Womans University, Seoul, South Korea
Advisor: Prof. Uran Oh (Human-Computer Interaction Lab)

2017–2021 BS, Computer Science and Engineering, Ewha Womans University, Seoul, South Korea

Publications

2027 **Kim, Y. J.**, Maheshwary, P., Karumbaiah, S., Mchugh, D., & Saxena, D. SALSA: Supporting Instructors in Shaping Appropriate Student–AI Interaction for Learning in Assignments. *In submission*.

2027 **Kim, Y. J.**, Lu, X., Tao, Y., Kaputa, Z., Maheshwary, P., Wang, C., Holstein, K., Subramonyam, H., Guerdan, L., Sarkar, A., Wang, X., Karumbaiah, S., & Saxena, D. Educators as Evaluators: Designing for Educator-Led Evaluation of GenAI in Education. *Workshop proposal, in submission.*

2026 **Kim, Y. J.**, Yin, Y., Karumbaiah, S., & Saxena, D. Empowering Teachers to Design AI Roles for Work: An Empirical Study of Teachers' AI Role Design Practices. *Proceedings of the 5th Annual Symposium on Human-Computer Interaction for Work (CHIWORK '26)*.

2026 Yin, Y., Karumbaiah, S., **Kim, Y. J.**, & Saxena, D. When AI Breaks, Teachers Repair: Pedagogical Repair Work in Situated Classroom Practice. *ACM Conference on Fairness, Accountability, and Transparency (FAccT '26)*.

2026 **Kim, Y. J.**, Lee, C. P., & Mutlu, B. Speaking with Screens: Design Space and Guidelines for Informational Robot Screens. *Proceedings of the 2026 ACM/IEEE International Conference on Human-Robot Interaction (HRI '26)*.

2024 **Kim, Y. J.**, Lee, Y. J., Lee, E. Y., & Oh, U. Understanding Novice's Annotation Process for 3D Semantic Segmentation Task with Human-in-the-Loop. *Proceedings of the 29th International Conference on Intelligent User Interfaces (IUI '24)*.

2023 Guerreiro, J., **Kim, Y. J.**, Nogueira, R., Chung, S. A., Rodrigues, A., & Oh, U. The Design Space of the Auditory Representation of Objects and Their Behaviors in Virtual Reality for Blind People. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2023.

2020 **Kim, Y. J.**, Kim, S. H., Kim, R. G., Nam, H. J., Ko, E. J., et al.* Organizing an In-class Hackathon to Correct PDF-to-text Conversion Errors of Genomics & Informatics 1.0. *Genomics & Informatics*, *18*(3), 2020. (*All authors contributed equally.)

Preprints

2025 **Kim, Y. J.**, Kim, S. H., Kim, Y. J., Lee, S. Y., & Oh, U. "I am not thinking anymore, just following the path.": Investigating Task Delegation Trend of Author-AI Co-Creation with Generative AIs. *arXiv preprint*, 2025.

Service

Program Committee

2026 Annual Symposium on Human-Computer Interaction for Work (CHIWORK 2026)

Reviewing

2026 ACM Journal on Responsible Computing (JRC)

2026 Annual Symposium on Human-Computer Interaction for Work (CHIWORK 2026)

2024– ACM CHI Conference on Human Factors in Computing Systems (CHI 2025, CHI 2026)

2024 ACM/IEEE International Conference on Human-Robot Interaction (HRI 2025)

Student Volunteer

2023 IEEE Conference on Virtual Reality and 3D User Interfaces (IEEE VR 2023)

2022 19th International Web for All Conference (W4A 2022)

Campus Community

2026 *Social Coordinator*, MadCollab, University of Wisconsin–Madison, Fall 2026

2025 *Facilitator*, MadCollab, University of Wisconsin–Madison, Fall 2025

2025 *Executive*, HCI Reading Club, University of Wisconsin–Madison, Spring 2025

Honors & Awards

Fellowships & Scholarships

2025 Summer Research Assistantship, Computer Sciences, University of Wisconsin–Madison, Summer 2025
Competitive departmental award for two months of summer research

2022–2023 National AI Talent Scholarship, Ministry of Science and ICT, South Korea, Aug. 2022 – Feb. 2023
Selected as one of 30 students nationwide; supported a visiting appointment at Carnegie Mellon University

2023 Boeing Scholarship, Ewha Womans University, Fall 2023

2021–2022 Graduate Admission Scholarship, Ewha Womans University, Fall 2021 and Spring 2022

2018–2020 Lee Hye-ja Scholarship, Ewha Womans University, Spring 2018, Fall 2018, and Spring 2020

2018–2020 Future Skills Development Scholarship, Ewha Womans University, Fall 2018 and Spring 2020

Academic Distinctions

2021 *Magna Cum Laude*, Ewha Womans University, Aug. 2021

2018–2020 Dean's List (five semesters), Ewha Womans University, 2018 – 2020

Teaching & Mentoring

Teaching Assistant (with scholarships)

2024–2026 Introduction to Human-Computer Interaction, University of Wisconsin–Madison, Fall 2024 – Spring 2026
Instructor: Prof. Jacob Thebault-Spieker

2023 Contemporary Photography, Ewha Womans University, Spring 2023
Instructor: Prof. Thomas Webster

2021 Introduction to HCI, Ewha Womans University, Fall 2021
Instructor: Prof. Uran Oh

2020 Software Seminar I, Ewha Womans University, Fall 2020
Instructor: Prof. Hyun-soo Kim

Mentoring

2025 *Mentor for Women STEM Undergraduates*, University of Wisconsin–Madison, Jan. 2025 – Jun. 2025

Professional Experience

2026–2027 *Project Assistant*, University of Wisconsin–Madison, Madison, WI, Aug. 2026 – Aug. 2027 (expected)
Leading a funded research project developing an AI-based tool to support university instructors in course AI policy setting and assignment design

2019–2020 *Business Analyst Intern*, SeAH Holdings Corp., Seoul, South Korea, Nov. 2019 – Jan. 2020
Future Business Strategy Team
Examined competitors' facility and factory digitalization strategies for SeAH Holdings' factory digitalization
Consulted with factory employees on facility layout transformation and factory digitalization to derive their needs
Analyzed opportunities for future business expansion in secondary processing products

Technical Skills

Programming Languages: Python, TypeScript/JavaScript, C#, Java, C, SQL, HTML, CSS

AI/ML: OpenAI API, Claude API, Gemini API, PyTorch, TensorFlow, Keras

Web, App & XR: Django, Vue.js, React Native, Expo, Android Studio, Unity

Backend & Systems: AWS, GCP, Kafka, Linux, Raspberry Pi

References

Devansh Saxena, Assistant Professor, Information School, University of Wisconsin–Madison
devansh.saxena@wisc.edu · devsaxena.info

Shamya Karumbaiah, Assistant Professor, Educational Psychology, University of Wisconsin–Madison
shamya.karumbaiah@wisc.edu · shamya.github.io