Shreya K. Sheel

PH.D STUDENT · LEARNING SCIENCES & HUMAN DEVELOPMENT

Berkeley School of Education

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Education

University of California, Berkeley   *Berkeley, CA*
 PH.D EDUCATION, LEARNING SCIENCES & HUMAN DEVELOPMENT   *2021 - Present*
• Advisor: Dr. Zachary Pardos

University of California, San Diego   *La Jolla, CA*
B.S COGNITIVE SCIENCE (WITH DISTINCTION) - SPECIALIZATION IN MACHINE LEARNING AND
NEURAL COMPUTATION; MINOR IN DESIGN   *2016 - 2020*
• Honors Thesis: Segmenting in Multimedia Learning
• Advisors: Dr. Emma Geller and Dr. Drew Walker

Professional Experience

2022-2025 **Graduate Student Researcher**, Computational Approaches to Human Learning Lab, UC Berkeley, CA
2020-2021 **User Experience Researcher**, McGraw Hill, Irvine, CA
2018-2020 **Undergraduate Research Assistant**, Learning in Multimedia Environments Lab, UC San Diego, CA
2017-2020 **Instructional Design Assistant**, Center for Digital Learning, UC San Diego, CA
2017 **Content and Curriculum Research Intern**, Learning Equality, La Jolla, CA

Publications

CONFERENCE PAPERS

Sheel, S.K., Anastasopoulos, I., & Pardos, Z. A. (2024). Comparing Authoring Experiences with Spreadsheet Interfaces vs GUIs. In Proceedings of the 14th Learning Analytics and Knowledge Conference (LAK) (pp. 598-607).

Pardos, Z. A., Tang, M.*, Anastasopoulos, I.*, **Sheel, S. K.***, & Zhang, E. (2023). OATutor: An Open-Source Adaptive Tutoring System and Curated Content Library for Learning Sciences Research. Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-17) *contributed equally to this research

Workshop Proceedings

Anastasopoulos, I., **Sheel, S.K.**, Pardos, Z. A., Bhandari, S. (2023). Introducing an Open-source Adaptive Tutoring System to Accelerate Learning Sciences Experimentation. L@S '23: Proceedings of the Tenth ACM Conference on Learning @ Scale

Pardos, Z. A., Anastasopoulos, I., & **Sheel, S.K.** (2023). Conducting Rapid Experimentation with an Open-Source Adaptive Tutoring System. In International Conference on Artificial Intelligence in Education (pp. 38-43). Cham: Springer Nature Switzerland.

Teaching Experience

2025 **EDUC 260: Machine Learning in Education**, Graduate Student Instructor   *UC Berkeley*
2024 **EDUC W161: Digital Learning Environments**, Graduate Student Instructor   *UC Berkeley*
2020 **COGS 100: Cyborgs and the Future**, Undergraduate Instructional Assistant   *UC San Diego*