Shreya K. Sheel

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Education

University of California, Berkeley   Berkeley, CA

Ph.D. Education, Learning Sciences and 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   2016-2020
Neural Computation; minor in Design

- 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

Peer-Reviewed Conference Publications

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. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems* (pp. 1-17) ***contributed equally to this research**

Workshop and Poster Proceedings

Borchers, C., **Sheel, S.K,** Shah, S., Pai, A., Pardos, Z. A. (In press). Designing the Course Load Analytics Platform. To appear in *Proceedings of the European Conference on Technology Enhanced Learning (EC-TEL)*. Durham, United Kingdom. Springer.

Sheel, S.K & Pardos, Z. A. (2025). Exploring the human factors affecting AI acceptance in decision-making processes among administrators and faculty. [Symposium]. In AI and Transfer Student Success: Learnings from the Field. *American Educational Research Association (AERA)*, Denver, CO.

Anastasopoulos, I., **Sheel, S.K.,** Pardos, Z. A., Bhandari, S. (2023). Introducing an Open-source Adaptive Tutoring System to Accelerate Learning Sciences Experimentation. In*: 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	**DATA 144/EDUC 244: Data Mining and Analytics**, Graduate Student Instructor	UC Berkeley
2025	**EDUC C260F: Machine Learning and 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