

Humanizing AI for Collaborative Learning

How can generative AI help humans interact more effectively with other humans, especially in learning contexts?

ENGAGE students and colleagues in prototyping ways for generative AI to support collaborative learning, drawing on sociocultural theory as appropriate.

DEVELOP specific tools and platforms that help humans more effectively interact with each other, assisted and augmented by AI, in ways that allow us to conduct experimental evaluation.

CLASSES

Seminar on Generative AI and Education (Spring 2023)

d.school Design for Learning: Generative AI for Collaborative Learning (Fall 2023)

Introssem: How can generative AI help us learn? (Spring 2024)



Photo:
Design for Learning

SAMPLE PROJECTS

BRUNO: connects generative AI to spoken conversation, leading us also to explore AI-based analysis of classroom transcripts or in-situ support for collaborating peers.

CHATCOLLAB: allows multiple humans to interact with multiple AI agents, enabling more practice of collaboration skills and taking on different roles in a team.

INSIGHTS *(talk to us about these!)*

Generative AI can find useful insights in multi-person dialogue and these kinds of things can be identified through simple prompting.

Applying social theories is in some ways easier, in some ways harder.

M nuanced turn-taking in real-time conversations is very hard - we're not near there yet.



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