

## Task Supportive and Personalized Human-Large Language Model Interaction:

A User Study

Ben Wang Jiqun Liu benw@ou.edu jiqunliu@ou.edu Jamshed Karimnazarov jamshed.k@ou.edu

Background
 ChatGPT's release has generated significant interest in human-Al interaction.

 Various purposes rise: task assistance, entertainment, education, search engine alternative.

2 O Unsolved Problems
Users have challenges in initializing and refining prompts
Users have cognitive barriers and biased perceptions in the usefulness of ChatGPT's output and the task completion

## Acknowledgment

IIS-2106152 Microsoft for Startups Founders Hub Users conduct their own tasks using ChatGPT with suggestions: How can ChatGPT help you perform the task by initializing the conversation, or predicting your next question, or revising your prompt, or adapting its answer...



## and user cognitive aspects

- Task familiarity
- Expectations of task complexity, outcomes, and effort)

affect user interactions in information-seeking and problemsolving tasks with LLMs.

