

CS377E | Spring 2019 | Nathan D., Glenn D., Joyce H., Angelica W.

MOTIVATION

Foreign language learning is starting to incorporate more Al, including chatbots; We seek to understand how Al-driven language practice affects learning behavior.

WELCOME TO THE MULTIVRSE

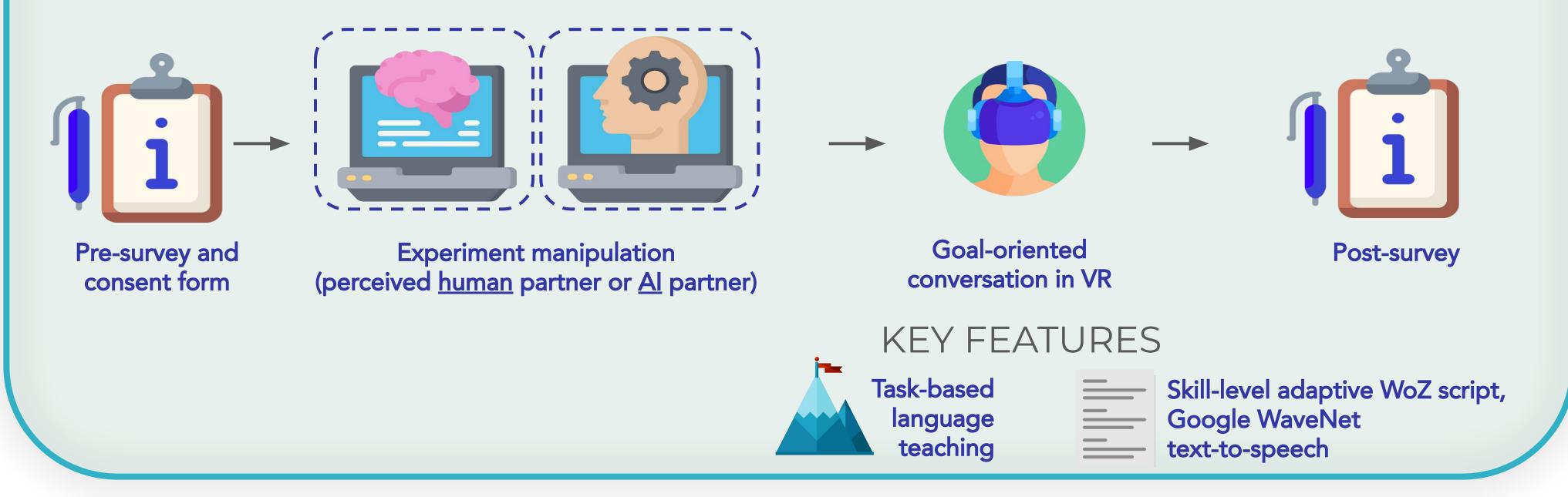
Comparing Language Learning Behavior in Human vs. Al-driven Environments

RESEARCH QUESTION

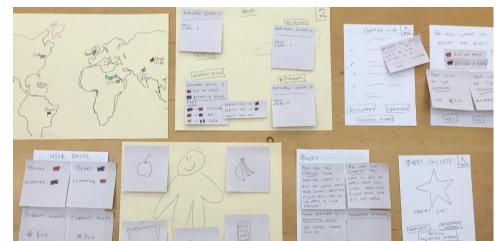
How do people's foreign language interactions change when they are speaking with Al conversational partners?

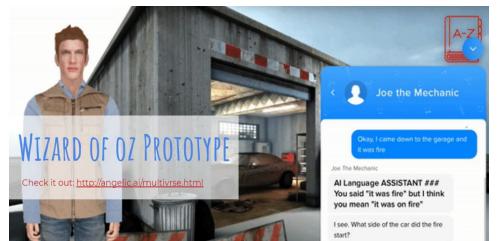
APPROACH

We ask adult, native Chinese study participants to practice speaking English in real-world situations, with a simulated conversational agent in VR. Then use a pre and post survey to measure foreign language anxiety and level of psychological safety felt when making mistakes.



DESIGN EVOLUTION













Medium-Fi scenario:

a visit to the mechanic



High-Fi: immersive virtual reality

mechanic scenario

