[participants arrive]

sign informed consent and escort to experiment room

[participants wear the backpack and headset, adjusting the IPD in oculus]

me: "Please adjust the knob to make the image most clear for you, then tell me the number on the screen"

[Experiment begin]

recorded instruction: "Welcome to the Carrot study. During the experiment, you will be asked to walk around in this room while wearing a head-mounted display. If you feel uncomfortable at any point, please let the experimenter know, you can discontinue at any time. If you follow our instructions, you do not need to worry about walking into a wall. If you accidentally get too close to the wall, a warning will appear to ask you to stop."

[Familiarization free walk trial: Home Pole and Orientation Pole appear]

recorded instruction: "Before the experiment, let's get familiar with walking in virtual reality. Please look around. You should see a blue pole and a red pole. The blue pole is the Home Pole. We start every trial from there. The function of the red pole is to make sure you're facing in the right direction at the beginning of each trial. Now, if you're ready, please walk to the blue pole and stand in it. Then turn to face the red pole. After 3 seconds, I will tell you to begin walking. "

[Familiarization pre free walk trial: Target Pole appears]

recorded instruction: "Now, you should see a green pole. On these familiarization trials, your task is simply to walk to the green pole. When you get there, the trial will end, and new poles will appear for the next trial. Now, go ahead and walk to the green pole."

[Practice trial: Home Pole and Orientation Pole appear]

recorded instruction: "Please wait for the next instruction. Starting with the next trial, you will practice the experimental task. After you face the red pole, a green pole will appear in front of you and start to move. Your task is to walk behind the green pole as if you were following a person walking down the street, while trying to keep a constant distance. When you are ready, please stay in the blue pole and face the red pole to start the practice trial."

[experiment trial: Home Pole and Orientation Pole appears]

recorded instruction: "Please wait for the next instruction. The actual experiment will start with the next trial. It takes about 40 minutes. Your task is the same: walk behind the green pole as if you were following someone down the street, while trying to keep a constant distance. When you are ready, please stay in the blue pole and face to the red pole to start."

[post free walk trial: target pole appears]

recorded instruction: "Please wait for the next instruction. Starting with the next trial, the green pole will be stationary. Your task is simply walk to it. When you are ready, please stay in the blue pole and face to the red pole to start."

[end]

Recorded instruction: “This is the end of the experiment. Please stand still and wait for experimenter to help you remove the equipment.”

add "begin" every time the target pole appears