

Participate in Research

Search Engine Conversational Agent, A Novel Retrieval-Augmented-Based Dialogue System



Principal Investigator:

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TO ASK QUESTIONS OR TO SIGN UP, CONTACT:

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Do you want to help us develop a technology that one with severe physical impairment can type a question by moving the eyes and receive the answer? Consider participating in a research study about tracking the eye movement by wearing virtual reality headset.

What is this study about:

We are doing a research study to test a communication device where a user can type a query by moving their eyes and receive an answer from the system. This device uses a measurement technique called Virtual Reality headset to track eye movements. In the future, we hope that such a device could be used by youth with severe physical impairments as an alternative form of a search engine.

Who can participate?

We are looking for participants who:

- Are between 18 and 35 years old
- Have normal or corrected-to-normal vision with the ability to coordinate and control your eye movement
- Can read and write in English
- Have no fluency delays or disorders, or difficulties related to literacy skills
- Have no history of neurological, psychological, drug or alcohol-related conditions, seizures, fear of enclosed spaces or 'claustrophobia phobia', or head injuries

What's involved?

- You will attend one 30 min and also two one-hour research sessions at the Bloorview Research Institute.
- During each session, you will type on an on-screen keyboard by eye movement and eye gaze while wearing a headset to track the eye movements.

Potential Benefits?

- Your participation will help us develop a communication device for people with severe physical impairments.

Potential Risks?

- You might feel a bit uncomfortable by wearing the headset as it will be difficult to see the outside environment

Participants will receive a small token of appreciation to thank them for their time.

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