



Information Sheet for Participation in a Research Study

Principal Investigator: **Dr. Chris Brown**

IRB# and Title of Study: **IRB #25-480; EduTube User Study**

Sponsor: **N/A**

You are invited to participate in a research study. This form includes information about the study and contact information if you have any questions.

□ WHAT SHOULD I KNOW?

If you decide to participate in this study, you will provide insights on an online platform for students to learn algorithms concepts. *As part of the study, you will be asked to complete a brief task with our online learning platform, EduTube—completing activities aligning with normal online searching and asynchronous learning tasks. The goal of this study is to understand how learners use and benefit from an AI-powered tool, EduTube AI, that recommends educational videos and generates questions to help learn algorithms. During this study, we will ask you to open the tool link (<https://edutube.cs.vt.edu>), choose a topic you would like to learn (e.g., Dijkstra's Algorithm), complete a brief quiz, and share a copy of your search results from the tool. Then, we will ask for your feedback about the recommended videos and generated quiz. You must be 18 years or older to participate and your participation in this survey is voluntary. If at any point, you feel uncomfortable answering any of the questions, you may withdraw from the survey. Your responses will be kept confidential and data from this survey will be reported in aggregate and anonymously.* We will collect data through platform usage, screen and audio recordings, platform usage, and the post-survey. The study should take no more than one hour of your time.

We do not anticipate any risks from completing this study. Your decision to participate or not will have no bearing on your grades or relationship with Virginia Tech.

You must be at least 18 years old to participate in this study. Our recruitment is limited to graduate and undergraduate students in the Department of Computer Science at Virginia Tech. Participants can choose whether to be in this study or not. If you volunteer to be in this study, you may withdraw at any time without consequences. You may also refuse to answer any questions that are not required you don't want to answer and remain in the study. The investigator may withdraw you from this research if circumstances arise which warrant doing so.

□ CONFIDENTIALITY

We will do our best to protect the confidentiality of the information we gather from you, but we cannot guarantee 100% confidentiality.

Your responses are confidential, so no one can associate your answers back to you. Please do not use any names or identifying information for any of your colleagues in your survey responses. Your academic experiences and role will be used in aggregate to describe the survey population and will not be linked to each other, and direct quotes will be depicted anonymously. You will not be contacted (via email address) by the research after the completion of this study.

Any data collected during this research study will be kept confidential by the researchers. Your responses will be de-identified and shared anonymously to promote the openness and reproducibility of this work. The researchers will store the data using a confidential participant ID, only accessible by the research team. The researchers will maintain a list that includes a key to the code separate from the data collected. The master key and the recordings will be stored for 5 years after the study has been completed and then destroyed.

□ WHO CAN I TALK TO?

If you have any questions or concerns about the research, please feel free to contact Sahar Farzanehpour (saharfarza@vt.edu) or Dr. Chris Brown (dcbrown@vt.edu). You are not waiving any legal claims, rights or remedies because of your participation in this research study. If you have questions regarding your rights as a research participant, contact the Virginia Tech HRP Office at 540-231-3732 (irb@vt.edu).

Please print out a copy of this information sheet for your records.