

Greetings,

We are looking for computer science students to participate in a research study to determine what skills and knowledge are required to solve computer science problem-solving tasks.

This work will support efforts by the UW I-School and College of Education to create a personalized tutorial system for introductory computer science courses. An important part of this project is understanding what makes test and practice questions for computer science difficult or easy. The overall goal is to be able to give high-quality feedback that will help students learn computer science.

The following list describes the activities that you will be taking part in if you decide to participate in the study:

1. Take part in a roughly 90-minute interview while working on six computer science tasks on paper and pencil, a tablet, or a computer.
2. For each task, read aloud the instruction, verbalize everything in mind when solving the problems, and respond several follow-up questions about the strategies used and what made the task difficult or easy.
3. The interview will be video-taped by having the camera face the responses/actions you provide (i.e. your face will not be recorded).

If you are interested in participating, please fill out the following brief survey <<https://goo.gl/forms/s4uYH44btVlggZYu2>>. If selected to participate, you will be contacted by a member of the research team. We are planning to begin conducting interviews as early as November 27th.

Thanks in advance for your interest, and don't hesitate to e-mail Research Assistant Matt Davidson at mattjd@uw.edu, if you have additional questions. Participation in the study is completely voluntary, and all information related to the study will be kept confidential. Participants will be compensated with a Trader Joe's gift card: undergraduate student participants will be given a card for 20\$, and graduate student participants 30\$.

Best Regards,

Matt Davidson