Dear ...,

We are evaluating a high-level language we designed for visualizing control flow graphs (CFGs), a common graph type for analyzing computer programs. We are trying to determine if the newly designed language provides better support for visualizing control flow graphs compared to currently available languages and systems such as GraphViz/dot. We are requesting your participation in a user study for approximately an hour where you will be asked to use the language to visualize CFGs.

Analyzing the observations and responses from the user study will aid us in designing better support for CFG visualization. Any reporting of our findings will be anonymized. For more information regarding these policies and your rights as a participant, see *Consent-Information-Study.pdf* attached to this email.

**What do I need to do?**

If you agree to the user study, we will setup a video conferencing session. We will go over the new language. Then, you will be asked to try the language to generate specified drawings and to talk through your process. The study aims to evaluate the specification language and *not* your expertise in program analysis or graph visualization. Familiarity with writing and debugging programs is enough to participate in the study. You do not need prior experience in visualizing graphs. We will provide the necessary background at the start of the user study. The session will last about an hour.

**Institutional Review**

An Institutional Review Board responsible for human subjects research at The University of Arizona reviewed this research project and found it to be acceptable, according to applicable state and federal regulations and University policies designed to protect the rights and welfare of participants in research.

**Do I have to take part?**

You do not have to take part in this research study if you do not want to. Even if you decide to participate, you can change your mind and withdraw at any time and for any reason.

**What are the benefits of taking part?**

By participating you will aid in the design of better support for control flow graph visualization.

**What are the possible disadvantages and risks of taking part?**

We are required to tell you about any possible disadvantages or risks to you should you agree to take part in the research. We ask for your permission to record the screen during the study to facilitate transcription and analysis of the session. This poses privacy risk since it contains identifiable information. You can opt out of screen recording at any time and request to remove the recording any time during or after participation. If you permit to the recording, we will only record the visualization interface and not your video. The recordings will be stored in a secure private server to minimize the risk.

**What are the requirements for participation?**

Participants should be familiar with writing and debugging computer programs.

**Who do I contact for further information?**

For further information about this research project contact Sabin Devkota at devkotasabin@email.arizona.edu.

Thank you for your time,

Sabin Devkota