

# Participant Consent Form

## Visualizing Code Review Changes as a Graph: Towards Supporting Multiple Programming Languages

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You are invited to participate in a study entitled “Visualizing Code Review Changes as a Graph: Towards Supporting Multiple Programming Languages” that is being conducted by Raffael Botschen and Enrico Fregnan.

Raffael Botschen is a bachelor’s student in Software Engineering at the University of Zurich. You may contact him if you have further questions at [raffael.botschen@uzh.ch](mailto:raffael.botschen@uzh.ch).

Enrico Fregnan is a PhD student in the ZEST group at the Institute of Informatics, University of Zurich. You may contact him if you have further questions at [fregnan@ifi.uzh.ch](mailto:fregnan@ifi.uzh.ch).

This work is supervised by Prof. Dr. Alberto Bacchelli, who can be contacted at [bacchelli@ifi.uzh.ch](mailto:bacchelli@ifi.uzh.ch).

The purpose of this and previous research projects is to evaluate a tool that helps with code reviews by visualizing the code changes. This is done by analyzing the source code, extracting features of interest (e.g., classes, methods, functions and their relationships to each other) and then displaying them in a browser. A previous project has already constructed such a tool exclusively for Java. This current project has extended it to work with Python as well, introducing new programming paradigms (including functional programming from Java’s object-oriented programming) and enabling support for displaying changes across multiple programming languages. Our goal is to receive feedback on the current state of the tool regarding usefulness as well as potential improvements and new features.

## The Study

If you consent to voluntarily participate in this research, your participation will include an interview with you 30-40 minutes in length explaining the tool and asking about your opinion on it.

## Potential Risks

In case your participation in the study is in any way stressful for you, you have the right not to answer a question or to terminate your participation in any given moment. In case of further questions or doubts, you may contact any of the researchers (contacts are provided above) or the OEC Human Subjects Committee of the University of Zurich at [human.subjects@oec.uzh.ch](mailto:human.subjects@oec.uzh.ch)

## Conditions of the Study

- **Voluntary Participation**  
Your participation in this research must be completely voluntary. If you do decide to participate, you may withdraw at any time without any explanation. If you do withdraw from the study your data will be erased and will not be included in any analysis.
- **Anonymity and Confidentiality**  
All the data we gather from you will be anonymized - will not include any personal names, names of companies or places that could help to identify you as a respondent. Your contacts and consent materials will not be in any way connected to the audio-files, interview transcripts, or any other data we will obtain from you.
- **Possibility not to answer or withdraw details from your interview**  
You are free to not answer any and all the questions we ask you. Also, at any moment, you can ask us to remove a specific information from your answers.
- **Dissemination of Results**  
It is anticipated that the results of this study will be shared with the public and the research community through a paper that will be published online. In the section down below, you may ask for the publication to be sent to you personally.
- **Disposal of Data**  
Immediately after the data collection phase, we will create an anonymized database and dispose of any non-anonymized content: e.g., video-files. We would like to ask you to give us permission to keep your anonymized responses for purpose of sharing it with other researchers or using it in future research.
- **Possibility to withdraw data**  
If, at any point, you decide that you would like your data to be completely withdrawn from the study, you are free to do so.

## Please select statement

- ☐ I consent to the use of my data in current study.
- ☐ I consent to provide my anonymized data to other researchers and for future studies.
- ☐ I would like to receive the final publication from this study.

*A copy of this form will be stored by the researchers until you request your data to be deleted or the collected data is deleted by the researchers.*

Your signature below indicates that you understand the above conditions of participation in this study, that you have had the opportunity to have your questions answered by the researchers, and that you consent to participate in this research project.

Name of Participant

Date

Signature