

Message from the Chairs

Workshop and Challenge on Optimization of Context Collection for Code Completion

Our workshop is dedicated to the challenge on optimization of context collection for code completion, organized by JetBrains in collaboration with Mistral AI. In this competition, participants developed efficient mechanisms for collecting context from source code repositories to improve fill-in-the-middle code completions for Python and Kotlin. You can find more details about the competition setup and its key results in our report, included in these proceedings.

During the public phase of the competition, we attracted 19 teams to the Python track and 8 teams to the Kotlin track. 6 teams in total submitted code for the private phase, of which 5 teams wrote papers to the workshop describing their approaches in greater detail.

We reviewed the papers ourselves for clarity and rigor, but we also believe strongly that challenges represent a unique opportunity to turn reviewing into discussions. For that reason, after the initial check, we added all the authors to PC and asked them to review each other, commenting on the best ideas and requesting to explain some things better. A lot of authors made use of this feature and provided feedback. In the end, all five solution papers were accepted (in addition to our own report summarizing everything related to the challenge).

The resulting approaches proved insightful, and we hope for productive discussions at the workshop. We believe that competitions like this represent an opportunity for industry and academia to interact in the best possible manner. The industry can use help from the academic community to solve their real pressing issues. The academic community can use these real issues and challenges to ensure the practicality of their work. Let us continue with more such collaborations in the future!

We would like to express our gratitude to our partners at Mistral AI: Baptiste Rozière and Sophia Yang, as well as to our colleagues at JetBrains: Nikolai Baranko, Alexander Bezzubov, Egor Bogomolov, Timofey Bryksin, Kirill Chekmenev, Ozren Dabić, Valentin Fondaratov, Ekaterina Frolova, Evgeniy Glukhov, Valerie Kuzmina, Georgii Levtsov, Artem Mukhin, Semyon Proshev, Patrycja Sztorc, and Vladislav Tankov. We are also grateful to the workshop chairs of ASE 2025 for providing the opportunity to host the competition as part of the conference. Finally, we would like to thank all participants in the competition.

Workshop Co-Chairs

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