

PerfTuner Accounting

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Prior Note: The success of PerfTuner is attributed to effective collaboration fostered by a strong team spirit. New ideas were openly discussed, and collective assistance was readily available when facing challenges. Still, it is worth noting the significant contributions of individuals in their respective areas of responsibility, which greatly influenced the project's outcome.

1 Thomas Gantz

1. Designed the architecture of the program (*PerfTunerClass*).
2. Implemented multi-core processing (*TaskCode*).
3. Started snippet list approach with *findSnippetList*, creative input for the sub tasks part of *transformBySnippet*.
4. Participated in *test*, *askChatGPT*, *AutomaticEvaluationLoop*.

2 Alexander Goebel

1. Created the examples in the folder *Problems*.
2. Created the snippets and the hand-optimized versions in the folder *Snippets*.
3. Created the files *transformBySnippet*, *findSnippetListByTournament* and *perftuner*.
4. Minor help with the compiling of C++ code in the function *test*.

3 Soumili Samanta

1. Created an initial prototype of communication with ChatGPT.
2. Created and implemented major functionalities in the files *test*, *askChatGPT*, *AutomaticEvaluationLoop*.
3. Created variations of the examples in the folder *Problems*.
4. Designed, ideated, and created the files *transformByLLM*, *transformByGoogle*. (discarded these files, due to better results in *transformBySnippet*).