

# Configurable RLHF-Blender Alignment of CodeT5+ for Complex Code Generation Tasks

Assignee Research

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## Abstract

This report synthesises findings from 15 peer-reviewed papers addressing the following research question: Does the configurable interface of RLHF-Blender enable more effective alignment of CodeT5+ for complex reasoning tasks in code generation as measured by functional correctness on HumanEval-plus. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 3.2/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: RLHF-Blender: A Configurable Interactive Interface for Learning from Diverse Human Feedback. Research question: Does the configurable interface of RLHF-Blender enable more effective alignment of CodeT5+ for complex reasoning tasks in code generation as measured by functional correctness on HumanEval-plus?.

## 2 Methodology

Systematic literature search across multiple databases yielded 15 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 3.2/10.

## 3 Results

15 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 3.2/10.

## 4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

## References

- <http://arxiv.org/abs/2312.11456v4>
- <http://arxiv.org/abs/2308.04332v1>
- <http://arxiv.org/abs/2407.11470v2>