



OPPONENT'S EVALUATION OF THE MASTER'S THESIS

Student: Tayo Aderiye Oluwasijibomi

Opponent: Mgr. Marek Malina, Ph.D.

Study program: Information Technologies
Specialization: Software Engineering
Academic year: 2024/2025

Master's Thesis topic: Analysis of Chunking Strategies for LLM Applications and Proposal of a New Strategy

Evaluation of the thesis:

This master's thesis explores a new approach to current chunking strategies. It introduces a markdown-based chunking strategy (MASC) and compares it to three selected alternatives. The text is well-structured but contains grammatical and formatting errors. Additionally, there is an issue with a table reference on page 54. Some figures are very small, and for the website screenshots, I would prefer using a version of the website with a smaller aspect ratio, so it could be displayed larger and more clearly for the reader. The theoretical part is quite brief. I would have appreciated a more thorough explanation of the chunking strategies. It is fair to say that they are better explained and implemented in the practical part. The practical part is solid; however, some source code examples would benefit from accompanying explanations. MASC is a very good idea for a chunking strategy, as it provides additional context to the text being chunked.

Questions for the thesis defence:

1. What is your opinion on the emerging agentic retrieval approach in RAG systems, and how would you integrate your solution with it?
2. What are the performance differences when using various chunking strategies? Did you experiment with this? For example, with speed performance?

Overall evaluation of the thesis:

The Opponent shall grant a mark according to the ECTS classification scale:

A – Excellent, B – Very Good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient

An "F" grade also means "I do not recommend the thesis for defence."

I recommend this thesis to be defended and suggest the following evaluation:

B - Very Good

In the case of an evaluation grade of "F – Insufficient", please supply the main shortages and reasons for this assessment.

Date: 6. 6. 2025

Thesis Opponent's Signature: