

Example statement 1

Target 1: List of References (Bibliography).

Purpose 1.1: Search for sources.

Model: ChatGPT (GPT-5.2 Thinking).

Functionality: The AI suggested potential sources and helped to locate relevant information (e.g., in developer talks or source code.) The suggested sources were checked by the author and information relevancy was verified manually. Some sources were not included due to barely touching the topic of game AI and the use of an LLM helped to quickly recognise it. Also, it simplified the study of some games' source code by giving exact pointers to places containing the game AI logic.

Target 2: All text.

Purpose 2.1: Outline refinement, paragraph drafting, structure planning.

Model: ChatGPT (GPT-5.2 Thinking).

Functionality: The AI was used to provide suggestions for section ordering and paragraph contents. The provided suggestions were used as an inspiration for report structuring and writing planned paragraph contents.

Purpose 2.2: Proofreading and language quality check.

Model: ChatGPT (GPT-5.2 Thinking).

Functionality: The AI flagged language issues and suggested corrections; the author chose which corrections to apply.

Learning: Using AI as a proofreader is quite challenging, it tends to make unnecessary modifications and skip over the parts of the text that require rewrites, but it is better than relying only on the author's own evaluation.

Example statement 2

Target: Literature search prior and during the writing process.

Purpose: To generate initial sets of potentially relevant articles based on given prompts.

An example prompt used:

“Search Scopus for peer-reviewed papers on artificial intelligence or clinical decision support systems used in Finnish healthcare. Focus on studies describing implementation, evaluation or real-world use of AI/CDSS in Finland, such as EBMeDS, Omaolo, medication decision support or hospital AI tools. Prioritize papers from 2010–2026 in medical informatics, health informatics and digital health.”

Model: Scopus AI (integrated tool within the Scopus database platform).

Functionality: The tool provided article suggestions and brief summaries based on the prompts. Each suggested source was carefully read and evaluated, and only relevant and reliable sources were selected. The tool was not used to generate conclusions or produce text.

Target: Overall structure and the logical order of sections.

Purpose: To generate initial outlines and to assist with refining the logical flow between sections.

Model: ChatGPT-4o.

Functionality: The tool was used for brainstorming structural approaches and suggest how sections could be ordered and connected. Using ChatGPT for structural planning helped to clean up the overall flow of the report.

Learning: <omitted here>

Example statement 3

Target: AI tools were used throughout the document, from initial research and brainstorming to final formatting and linguistic polishing of all sections.

Purpose:

- **Brainstorming:** Identifying fundamental papers from specific eras (e.g., the 1940s).
- **Concept Clarification:** Explaining complex hardware or theoretical concepts in simpler terms.
- **Phrasing:** Rephrasing original sentences to be more suitable for a formal seminar report.
- **LaTeX Formatting:** Assistance with structuring tables and complex document hierarchy.
- **Resource Discovery:** Finding relevant material for specific concepts.

Model: Gemini 3Pro.

Functionality: The model acted as a peer collaborator. It was particularly beneficial for LATEX troubleshooting and generating structural ideas for the seminar paper. It often failed by being overly verbose or hallucinating the specific contents of research papers with high confidence. The models have tendency to be very positive and compliment the work, even when it is clearly not high quality. To verify the output, I cross-referenced all suggested research against primary and manually verified all LATEX code. No new text in the final report was produced directly by the AI; it was used to iterate on my own original writing. My own work constitutes the entirety of the arguments, research selection, and final synthesis.

Learning: The models require strict prompting and human oversight to avoid hallucinations. I learned that AI is most effective when used to “stress test” my own understanding rather than as a primary source.