

***Information System -Large
Language Models (LLMs)***

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**[http://jpaulgibson.synology.me/~jpaulgibson/TSP/Teaching/
CSC4104/CSC4104-InformationSystem-
RequirementsUseCases.pdf](http://jpaulgibson.synology.me/~jpaulgibson/TSP/Teaching/CSC4104/CSC4104-InformationSystem-RequirementsUseCases.pdf)**

Large Language Models (LLMs)

We can use LLMs to help with requirements specification and writing use cases:

Arvidsson, Simon, and Johan Axell. "Prompt engineering guidelines for LLMs in Requirements Engineering." (2023).

Arora, Chetan, John Grundy, and Mohamed Abdelrazek. "Advancing requirements engineering through generative ai: Assessing the role of llms." *Generative AI for Effective Software Development*. Cham: Springer Nature Switzerland, 2024. 129-148.

Marques, Nuno, Rodrigo Rocha Silva, and Jorge Bernardino. "Using chatgpt in software requirements engineering: A comprehensive review." *Future Internet* 16.6 (2024): 180.

Krishna, Madhava, et al. "Using LLMs in software requirements specifications: an empirical evaluation." *2024 IEEE 32nd International Requirements Engineering Conference (RE)*. IEEE, 2024.

Hymel, Cory, and Hiroe Johnson. "Analysis of LLMs vs Human Experts in Requirements Engineering." *arXiv preprint arXiv:2501.19297* (2025).

But, should we ??

Large Language Models (LLMs)

Ethical issues:

- Impact on the environment
- Intellectual Property/Copyright/Plagiarism
- Bias
- Lack of transparency
- Hallucinations
- Human damage/cost in training
- etc..

Educational issues:

- negative impact on learning
- (un)fairness in evaluation

Large Language Models (LLMs)

My (**current**) 'policy' :

- 1) i do not forbid students from using them;
- 2) i do not punish students for using them;
- 3) i discourage their use, for numerous ethical reasons;
- 4) i discourage their use, as their impact on learning is IMHO more negative than positive (even if they may help students to pass exams/evaluations);
- 5) when students use them i ask them to tell me (how/why)