

Future of Software Engineering

Large Language Models and the End of Software Engineering

Chances

AI is used to

- answer questions. General, professional, technical
- search for the causes of errors and problems.
- generate structures (suggestions). Like abstract architectures or concrete algorithms.
- no longer necessary to know and master all tools, languages, frameworks etc.
- will speed up the development process (easier to understand programming language)
- save costs
- to make education better
- improve code styles
- be very very good at a specific field or task

Risks

- decrease of quality due to statistical averages in gen AI answers
- the future of data sources is unclear
- feedback effect could further degrade the quality of Gen AI
- Establishing the use of Gen AI is likely to create pressure to deliver results faster. Will lead to a loss of quality and errors.
- loss of knowledge (AI as black box, which not many people understand while using)
- Usage of AI for disinformation
- Hard to discern between text, image from ai and from human