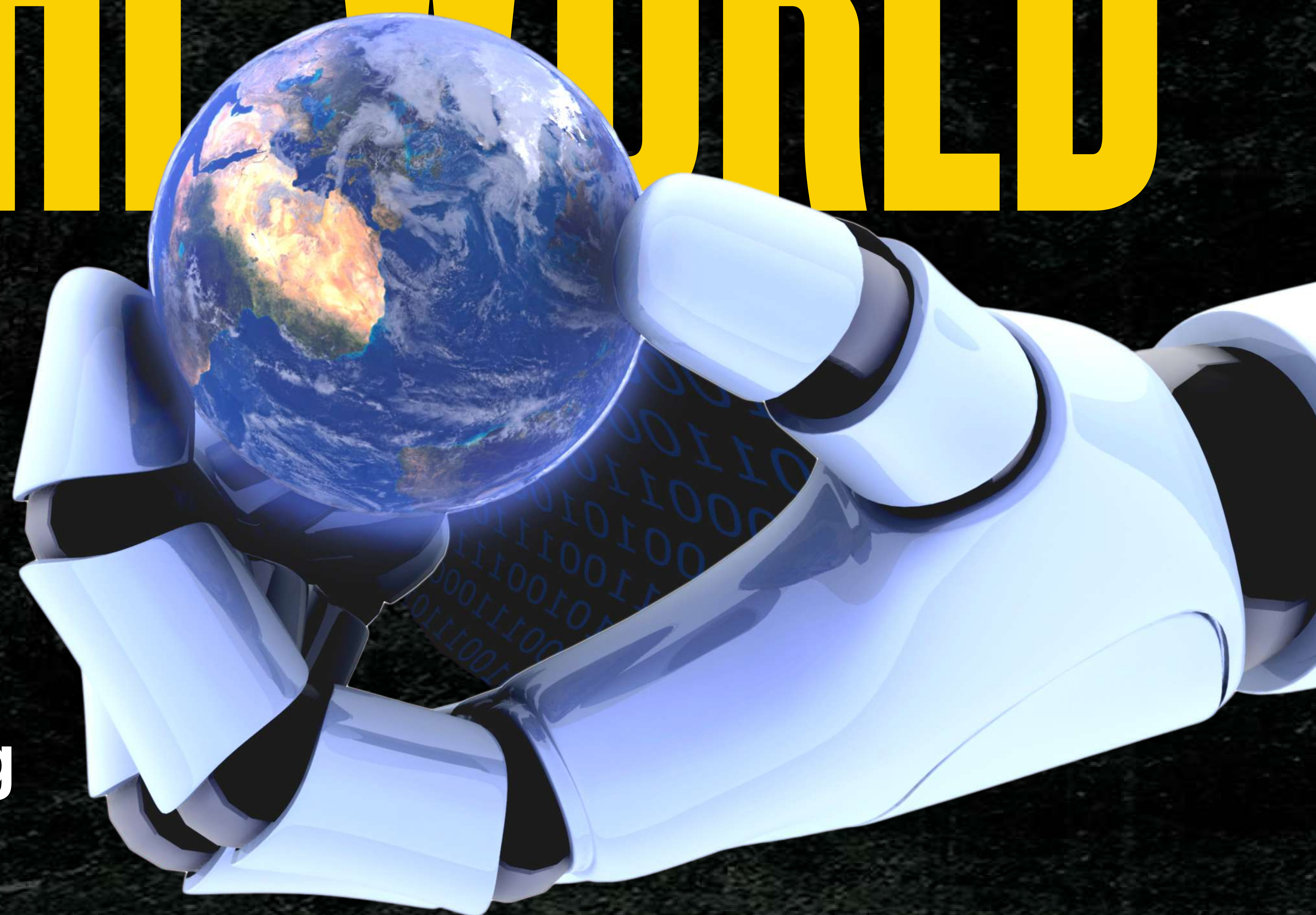War is what happens when language fails
_____

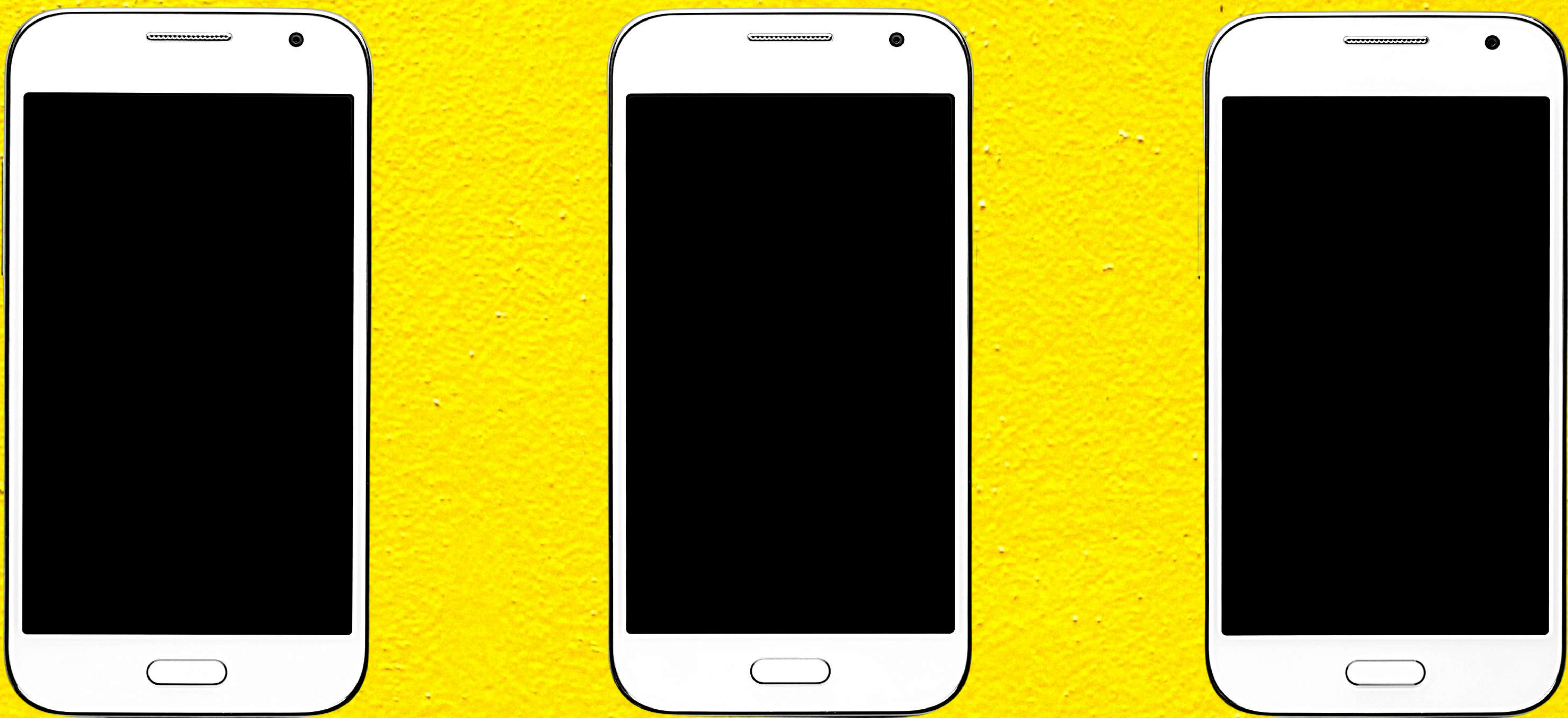# WHAT IF ARTIFICIAL INTELLIGENCE TAKES OVER THE WORLD

PAST

- The term "artificial intelligence" was coined in 1956 by John McCarthy, a researcher who later founded AI labs at MIT and Stanford.

- During the early days, the pioneers of AI did not believe that machines could behave intelligently and definitely did not consider the possibility that machines will eventually far surpass all the intellectual activities of any man!

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PRESENT

- The present stage of AI is narrow where it exists in our world today. Narrow AI is AI that is programmed to perform a single task — whether it's checking the weather, being able to play chess, or analyzing raw data to write journalistic reports.

- AI can now outperform human intelligence in many domains! You may be familiar with some of these 'AI beats human champions' events like quiz, Dota 2, Chess, Go, etc…. And recent one GPT-3, rover etc…
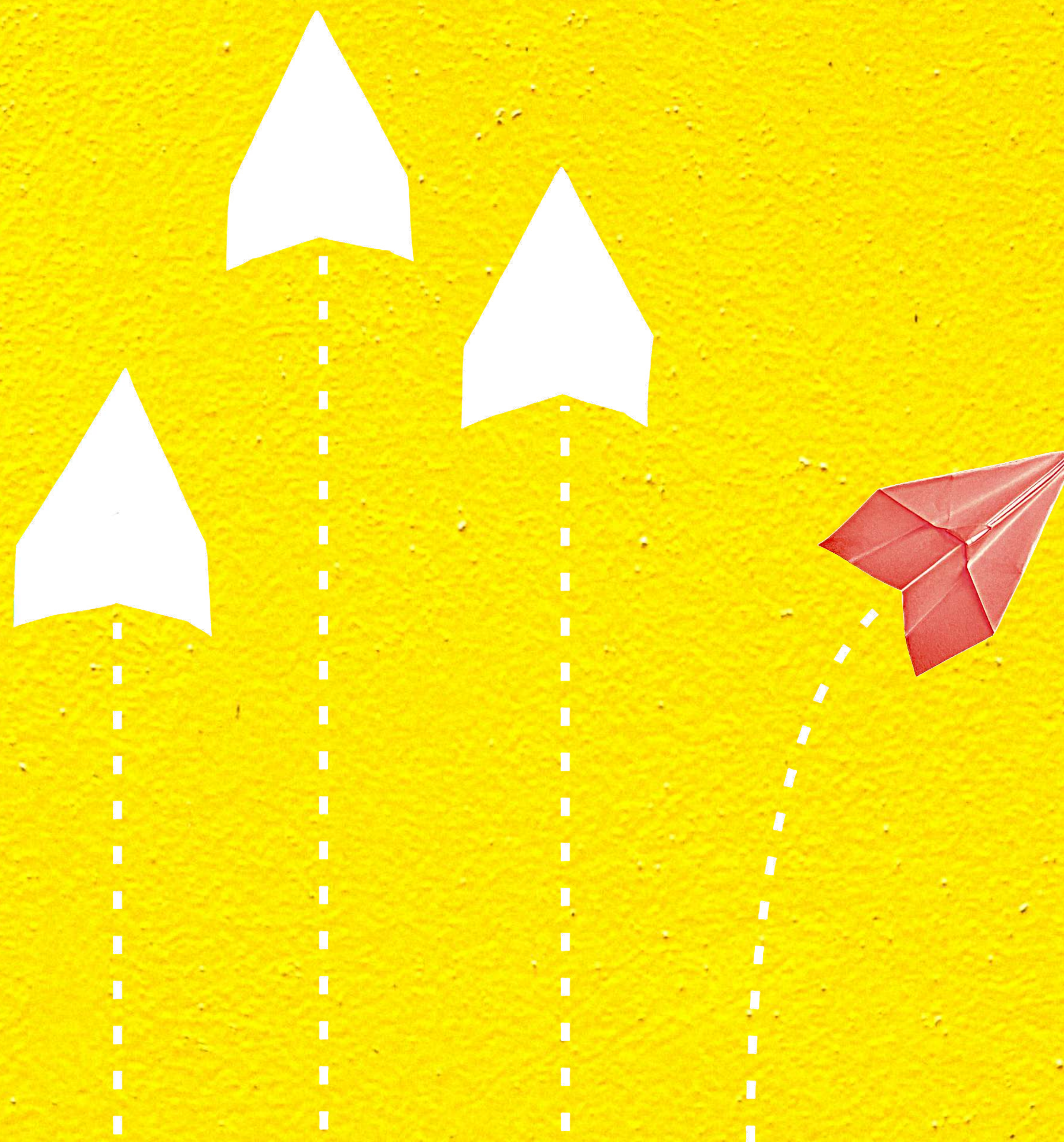
100

LIMITATIONS OF AI

- While AI succeeded in doing essentially everything that requires thinking, AI still lacks what most 10-year-olds possess: Ordinary Common Sense.

- AI can only perform well in a specific well-defined task, where IBM's Deep Blue built around a chess-specific algorithm won't be able to defeat the 'GO' champions because it is not programmed to do so!

- No one has a clue when we will achieve this, maybe 2030 or 2050 or 2100 or later....

PATHS TO SUPER AI

- **Machine learning (Seed AI):** To put it simply, Seed AI would have to possess 'recursive self-improvement' capabilities where it would be able to iteratively improves itself by recursively rewriting its own source code without human intervention.
- **Complete brain emulation:** Instead of training the AI from scratch, What if we downloaded our human brain into a thumb drive and plug it into our computer?
- **Biological Cognition**

ADVANTAGES OF SUPER AI

- It can improve the hardware it runs on and obtains better hardware.
- It will be capable of directly editing its own code.
- Where a task can be accomplished in a repetitive way, a module performing the task far more efficiently might be developed.
- It will have an indefinite life span, be capable of reproducing, and transfer knowledge, skills, and code among its copies as well

DISADVANTAGES OF SUPER AI

- AI will replace human beings in some jobs and industries and that much is inevitable.
- If it goes into wrong hands then it can be programmed to do something devastating.
- What if AI is programmed to do something beneficial, but it develops a destructive method for achieving its goal

HOW TO RESTRICT?

- Focusing more on AI SAFETY
- Implementing more regulations on AI.
- More Ethical laws
- Monitoring AI developments
- Teaching AI with humanity
- And ultimately tuning humans to develop AI for social good not to destroy humanity

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RECAP

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