secret arms race

Google
- Developed TensorFlow, BERT, and key advances in vision and language.
- Acquired DeepMind in 2014.

OpenAI
- Generalization: Can apply knowledge from one domain to another (e.g., learn chess and then solve a math problem).
- Autonomy: Performs tasks without constant human guidance.
- Reasoning & Common Sense: Understands abstract ideas and contextual nuances, like a human.
- Learning from Limited Data: Unlike current models needing vast data, AGI would learn more like humans do—flexibly and with fewer examples.
- Formed in 2015 as a nonprofit research lab to ensure safe AGI.
- Early focus on transparency and public collaboration.
- Later pivoted to more strategic model deployment with GPT-2, GPT-3, etc.

DeepMind
- Created AlphaGo (2016) and pioneered deep reinforcement learning.
- Focused on foundational AI research, such as AlphaFold (protein folding) and neural networks inspired by neuroscience.