PHILOSOPHY

ORIGINAL SOUNDTRACK GEOFFREY HINTON

2.05.2023

the grand-grandson of George Boole and 2018 Turing award winner

the timestamps were generously created by @carson tang

- 2:45 why mainstream AI in the 1980s shunned neural networks
- 3:21 Hinton believed in neural networks because the brain worked this way
- 4:31 two different paths to intelligence
- 6:15 lack of data and compute that impeded deep learning's progress
- 8:57 the start of deep learning in 2006
- 10:04 two big deep learning developments: speech recognition at Google and object recognition at University of Toronto
- 10:49 how object recognition works in layman's terms
- 15:47 breakthroughs in object recognition influencing the AI community
- 18:28 why Hinton likes the company Cohere
- 19:20 biological brains vs digital brains
- 21:39 ChatGPT as an "idiot savant" with a lack of understanding of truth
- 24:56 how society should handle this new Al
- 30:52 self-healing minefield proposed by the government
- 31:43 how to create an effective autonomous solder and the alignment problem
- 33:12 are large language models "just autocomplete"? Are humans "just autocomplete"?
- 33:52 translating "The trophy would not fit in the suitcase because it was too big" into
- French. English-French translation and the insights it provides into LLMs' understanding of the world
- 35:50 computers coming up with new ideas for itself
- 37:00 Al displacing jobs
- 38:15 how big of a revolution is AI?
- 40:37 is AI sentient?

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