

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 AI

30:52 - self-healing minefield proposed by the government

31:43 - how to create an effective autonomous soldier 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 - AI displacing jobs

38:15 - how big of a revolution is AI?

40:37 - is AI sentient?

