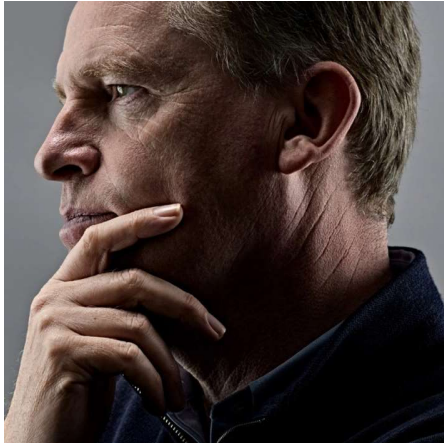


HOW AI REALLY THINKS: HARNESSING THE ELECTRIFYING INTELLIGENCE OF MACHINES

Nigel Toon



AI is probably the most important tool that we have ever built and it will run our future. But can we trust it?

Many leading figures including Stephen Hawking, Bill Gates and Elon Musk, have warned about the dangers of AI. Most of these opinions make certain philosophical assumptions about how AI will evolve, with various scary predictions about the economic and social impacts that AI could deliver. What they are missing though, is crucially any real grasp of the underlying technology - how AI actually works.

Internationally respected AI expert Nigel Toon takes us through the technological developments which are making Artificial Intelligence possible. He shows us how AI is different from our own human intelligence. But most importantly he helps us to understand its potential, its challenges and crucially, how to control it.

What makes this book stand out from other books in the market on AI is that it is written by a industry insider. Nigel Toon is a technology business leader and entrepreneur who developed a new type of microprocessor to accelerate AI. He is a strong advocate for setting up Institutes to guide our societies through our developing relationship with AI and both advises the British Government on their approach to technological developments and sits on the British Prime Minister's Business Council.

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Praise for Nigel Toon:

Nigel Toon is rated one of the Top 100 entrepreneurs in the UK by the *Financial Times*

Nigel is ranked #1 on *Business Insiders* '100 most influential people shaping British technology'

Nigel Toon is a leading figure in AI, has a background as a technology business leader, entrepreneur, founder and engineer. He was also a senior executive at a major Silicon Valley based semiconductor company. He currently sits as a Non-Executive Director on the board of UKRI which is a non-departmental public body for the UK Government that directs research and innovation funding, provided through the science budget of the Department for Business, Energy and Industrial Strategy. He also sits on the UK PM's Business Council. He is the author on 3 granted patents.

Nigel Toon is often called upon to speak at major industry events. He has been recognized with numerous industry awards including, ranked #1 on Business Insiders - '100 most influential people shaping British technology' and as one of the 'Top 100 entrepreneurs in the UK' by the *Financial Times*.