

# How AI Will Become More Intelligent Than Humans

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Courtesy of SynEvol

Once we decipher the "neural code," humans will be able to create Artificial Intelligence (AI) that is superior to our current capabilities, according to an AI technology analyst.

Eitan AI analyst Michael Azoff contends that humans will eventually create intelligence that is faster and more powerful than that of our own brains.

He says that comprehending the "neural code" is what will enable this breakthrough in performance. The human brain uses this method to both encode sensory data and transfer information across different parts of the brain for cognitive functions like learning, thinking, solving problems, internal imagery, and internal speech.

Emulating consciousness in computers is a crucial first step towards creating "human-level artificial intelligence," according to author Joshua Azoff in his new book *Towards Human-Level Artificial Intelligence: How Neuroscience may Inform the Pursuit of Artificial General Intelligence*.

There are many different kinds of awareness, and scientists agree that even very basic species like bees have some level of consciousness. The closest human experience of self-awareness is when we are completely absorbed in an activity, or "in the flow." This is essentially consciousness without self-awareness.

According to Azoff, computer simulation can produce a virtual brain that, in the first instance, could mimic consciousness without self-awareness.

Without self-awareness, consciousness aids in behavior planning, event prediction, and the recollection of pertinent previous experiences; it may also aid artificial intelligence.

Imagistic reasoning may also hold the key to solving the enigma of consciousness. Currently available AI uses "large language models" (LLMs) instead of "thinking" visually. Given that humans' visual thinking evolved before language, Azoff contends that comprehending visual thinking and subsequently modeling visual processing will be essential components of AI at the human level.

"Once we crack the neural code, we will engineer superior brains that will outperform the human brain in terms of speed, capacity, and supporting technology," claims Azoff.

"We'll start by simulating visual processing so that we can mimic visual thinking. That's where I think in-the-flow consciousness will come from. It is my opinion that a system can possess consciousness without being alive.

But Azoff provides a warning too, arguing that society must act to govern this technology and prevent its misuse: "Until we have more confidence in the machines we build we should ensure the following two points are always followed.

First and foremost, we need to guarantee that only people may operate the off switch. Second, we need to incorporate behavior safety standards into AI systems that we design.