

(4 차산업혁명) 인공 지능의 인류에 대한 경고....PART 1/4

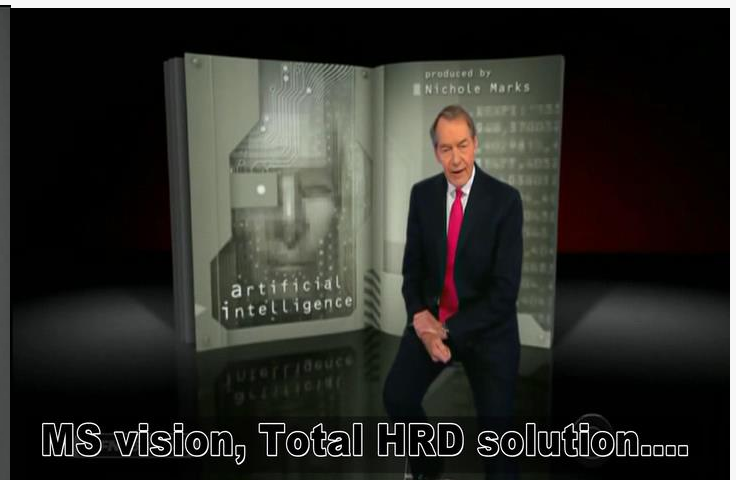
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Artificial Intelligence or AI is **on the verge of** changing everything. And tech giants like IBM and Google are investing billions into it. "It's **essentially** a child, but as it's given data and given outcomes, it learns. And as it **interacts** humans, it gets even smarter! And it never forgets!" You may not know it. But AI's in your smart phone, your home, your car. And it's also helping patients and doctors in ways they could have only imagine. "My goal is to become smarter than humans and **immortal!**"

The search to improve and eventually perfect artificial intelligence is driving the research labs of some of the most advanced and best-known American corporations. They are investing billions of dollars and many of their best scientific minds in pursuit of that goal. All that money and manpower has begun to pay off. In the past few years, artificial intelligence -- or A.I. -- has taken a big leap -- making important strides in areas like medicine and military technology. What was once in the realm of science fiction has become day-to-day reality. You'll find A.I. routinely in your smart phone, in your car, in your household appliances and it is on the verge of changing everything.

It was, for decades, primitive technology. But it now has abilities we never expected. It can learn through experience -- much the way humans do -- and it won't be long before machines, like their human creators, begin thinking for themselves, creatively. Independently with judgment -- sometimes better judgment than humans have. As we first reported last fall, the technology is so promising that IBM has staked its 106-year-old reputation on its version of artificial intelligence. It is called Watson - - one of the most sophisticated computing systems ever built.

John Kelly, is the head of research at IBM and the godfather of Watson. He took us inside Watson's brain. Oh, here we are. Here we are. You can feel the heat already. You can feel the heat -- the 85,000 watts -- you can hear the blowers cooling it, but this is the hardware that the brains of Watson sat in.



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1. Artificial Intelligence or AI is **on the verge of** changing everything.  
인공지능 또는 AI 는 모든 것을 전부 막 바꾸기 직전입니다.
2. And tech giants like IBM and Google are investing billions into it.

거대 기술기업인 IBM 과 구글은 수십 억불을 거기에 투자합니다.

3. **"It's essentially a child,**  
이것은 근본적으로 어린애 입니다.
4. **but as it's given data and given outcomes, it learns.**  
그러나 데이터와 결과물들이 주어진다면, 이것을 배웁니다.
5. **And as it interacts humans, it gets even smarter! And it never forgets!"**  
그리고 이것이 인간과 소통을 하면서, 더 영리해 집니다. 그리고 잊어 먹는 일이 없습니다.
6. **You may not know it. But AI's in your smart phone, your home, your car.**  
여러분들은 지금 모를지 모릅니다. 그러나 인공지능은 여러분의 스마트 폰에, 집에 자동차에 있습니다.
7. **And it's also helping patients and doctors in ways they could have only imagine.**  
그리고 환자와 의사들은 돕고 있습니다. 그들이 상상으로만 하던 방법으로 말입니다.
8. **"My goal is to become smarter than humans and immortal!"**  
제 목표는 인간보다 영리해지고 그리고 불멸하는 것입니다.
9. **The search to improve and eventually perfect artificial intelligence is driving the research labs**  
발전을 시켜서, 마침내 완전한 인공지능에 대한 연구로 연구실들을 내몰고 있습니다.
10. **of some of the most advanced and best-known American corporations.**  
가장 진보되고 잘 알려진 미국의 일부 회사들의....
11. **They are investing billions of dollars and many of their best scientific minds in pursuit of that goal.**  
그들은 수십억 불을 투자를 합니다. 최고의 많은 과학정신은 그 목표를 추구하고 있습니다.
12. **All that money and manpower has begun to pay off.**  
많은 돈과 인력 투자는 성과를 내기 시작했습니다.
13. **In the past few years, artificial intelligence or A.I. has taken a big leap,**  
지난 몇 년간, 인공지능은 커다란 도약을 했습니다.
14. **making important strides in areas like medicine and military technology.**  
의학과 군기술력 같은 분야에서 중요한 발걸음을 하면서 말입니다.
15. **What was once in the realm of science fiction has become day-to-day reality.**  
한때는 과학 하구 소설의 영역이었던 것이 매일, 매일 현실화 되고 있습니다.
16. **You'll find A.I. routinely in your smart phone, in your car, in your household appliances**  
여러분 들은 일상적으로 여러분의 스마트 폰에서, 자동차에서 그리고 가전제품들 에서 인공지능을
17. **and it is on the verge of changing everything.**  
그리고 이제는 모든 것을 바꾸지 직전입니다.
18. **It was, for decades, primitive technology.**  
인공지능은 수십년간 원시적인 기술에 머물렀습니다.
19. **But it now has abilities we never expected.**  
그러나 이제 인공지능은 우리가 예상치 못했던 능력을 가지고 있습니다.
20. **It can learn through experience -- much the way humans do --**  
인공지능은 경험을 통해 배울 수 있고, 인간이 하는 것처럼,,
21. **and it won't be long before machines, like their human creators,**  
오래지 않아서, 기계들이, 그들을 만든 인간 창조자들처럼
22. **begin thinking for themselves, creatively. Independently with judgment --**  
스스로 생각을, 창조적으로, 독립적으로 판단을 할 것입니다.

23. sometimes better judgment than humans have.  
가끔은 인간의 판단보다 낱게 말입니다
24. As we first reported last fall, the technology is so promising  
본 방송이 지난 가을 처음 보도했듯이, 이 기술은 유망합니다.
25. that IBM has staked its 106-year-old reputation on its version of artificial intelligence.  
즉 IBM 은 106 년간의 명성 위에, 자신만을 위한 인공지능에 투자를 했습니다.
26. It is called Watson -- one of the most sophisticated computing systems ever built.  
왓슨이라고 합니다. 이제껏 가장 정교한 컴퓨터 중의 하나입니다.
27. "This is a super computer with Watson Intelligence. Right"  
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28. John Kelly, is the head of research at IBM and the godfather of Watson.  
존 켈리는, IBM 연구 실장이고, 왓슨의 갓 파더 입니다.
29. He took us inside Watson's brain.  
그는 우리를 왓슨의 뇌로 안내를 했습니다 .
30. Oh, here we are. Here we are. You can feel the heat already.  
여기입니다. 당신은 열기를 이미 느낄 수 있어요
31. You can feel the heat -- the 85,000 watts -- you can hear the blowers cooling it,  
85000 와트의... 당신은 그것을 냉각시키려는 송풍기 소리를 들을 수 있습니다
32. but this is the hardware that the brains of Watson sat in.  
그러나 이 하드웨어에는 왓슨의 뇌가 자리잡고 있습니다.