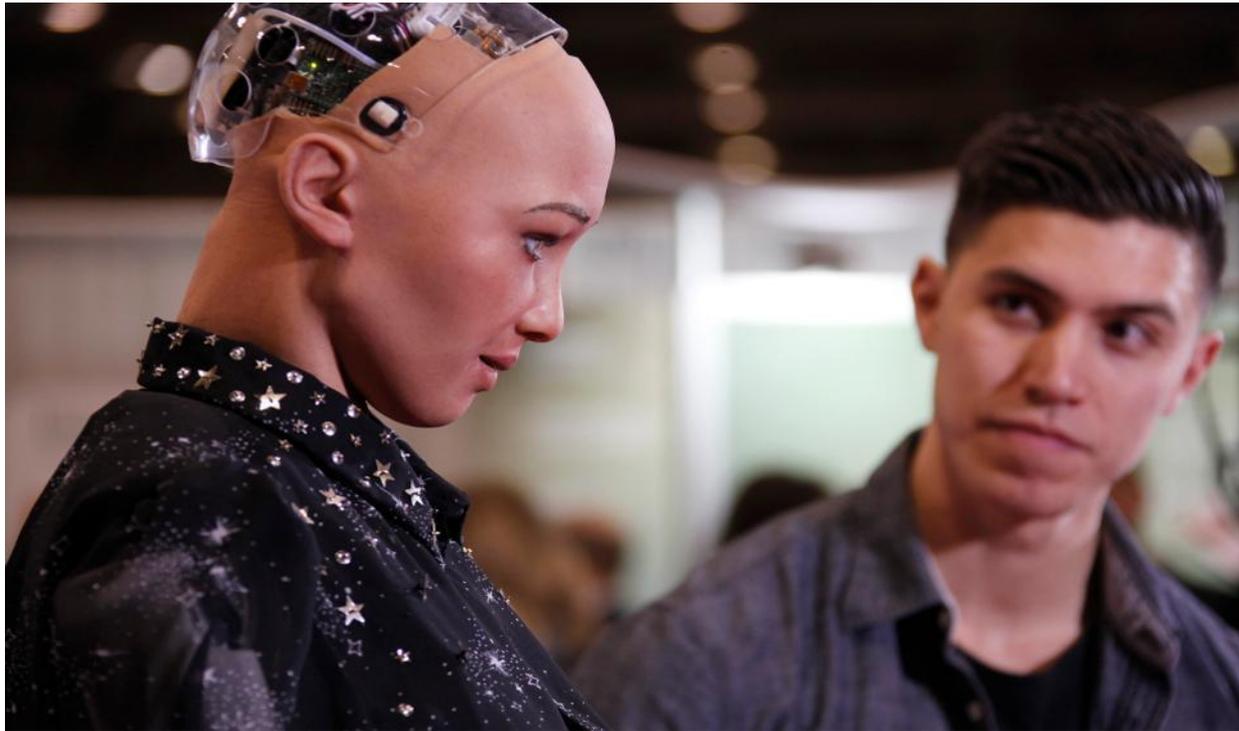


Inside Trends And Forecast For The \$3.9T AI Industry



TORONTO, ON - APRIL 30: Saudi Arabian citizen Humanoid Robot Sophia is seen during the Discovery exhibition on April 30, 2018 in Toronto, Canada. (Photo by Yu Ruidong/China News Service/VCG via Getty Images)

Artificial Intelligence (AI) is nothing if not controversial. Whether the subject of scrutiny behind hair-raising advances in sex robots which was heavily [reported](#) the other week or the topic of the latest disgruntled executive voicing opinions about Elon Musk's [crusade against AI's perceived perils](#), all eyes are on this [new area](#) in tech. While no one is yet absolutely sure of AI's definitive path, one thing is certain. Value and expenditures pertaining to this area of emerging technology are on a definite [upward curve](#). [In fact, there is already a 70 percent growth in business value in AI just this far into 2018.](#) This is clearly an area-to-watch. So, here's how the rest of the year and beyond could take shape when it comes to the area of Artificial Intelligence.

Derek Holt, a former IBM executive as well as former Managing Director of Business Development at Startup America Partnership, a public-private partnership with the White House believes the biggest play will be in healthcare:

Wellness Trend Data and Associated Care — "Gone will be the days of annual or bi-annual physicals as more and more of our wellness will be digitized," explains Holt. "Both AI and Machine Learning will aid and empower the traditional medical field to unlock new preventative and early intervention care."

Technology-Aided Caregivers — "Over the next 30 years, the number of caregivers available to take care of older adults and individuals living with disabilities is expected to decrease," he

continues. "Given this shortage, we'll begin to see technology-aided caregivers emerge to help with day-to-day tasks that have become harder for older adults and individuals living with disabilities to complete."



U1208 Lab at Inserm, which studies cognitive sciences and robot-human communication. The team works with two robots. The clinical application desired is the accompaniment of elderly people and social interaction around past, shared experiences. Tests carried out follow an established protocol: initial contact between the elderly person and the robot thanks to a pre-programmed dialog created by the person's friends and family, a way of starting the relationship. (Photo by: BSIP/ UIG via Getty Images)

Umberto Malesci, a former researcher at MIT Computer Science and Artificial Intelligence Laboratory who currently serves on the board of IIT, the leading research lab in the field of humanoid robotics in Europe also sees the AI intersection with healthcare to be a very important growth arena but adds an additional sector:

AI and Robotics - "IIT got some very interesting results using humanoid robots with embedded AI to treat autism in children," says Malesci. "Another example is the Hunova robot originally developed at IIT to treat elderly patients and patients with spinal cord injuries. Now it is on the market and it got FDA approval. Robotics and AI will be huge."

Automation Of High-Volume Processes - "AI will certainly be used to increase efficiency in corporations," he adds. "NDA Lynn, an AI web software, is already shown to be capable of replacing the workload of junior attorneys in reviewing NDAs. These documents can result in huge volumes in many tech companies with very little added value for an attorney. This type of thing is a win for any company looks to increase productivity."

However, Pedro Alves Nogueira, Ph.D., Director of Engineering at Toptal, and Professor and Senior Researcher at the University of Porto in Portugal believes that some of the biggest gains in AI will actually occur within the financial sector.



SHANGHAI, CHINA - MAY 03: Cambricon Technology CEO Chen Tianshi speaks during the cloud artificial intelligence (AI) chip named Cambricon MLU100 launching ceremony on May 3, 2018 in Shanghai, China. Cambricon MLU100 is the first self-developed cloud AI chip in China. (Photo by VCG/VCG via Getty Images)

Logistics and Finance - "Big data and more sophisticated models can lead to more accurate models of market demand for virtually any goods, be it financial or otherwise," Nogueira states. He says that such models will help reduce operating risk which will mean a more efficient and stable market that is more beneficial for all players within the ecosystem. "Examples of potential applications would be more efficient delivery schedules, stock trading operations, credit scoring, and fraud detection," he says.

However, beyond the practical drive, [cultural trends](#) will also have a huge impact on AI and its rate of adoption, usage and acceptance. From my research, notions around social good and social responsibility, sensibilities that are particularly associated with the massive [Millennial demographic](#), will continue to drive interests around AI "for good." Such focus will not only create a robust atmosphere for innovation that will potentially astound us in helping alleviate such things as global human suffering, inequality and desolation but also simultaneously create an environment that, in a post-Cambridge Analytica era, will scrutinize usage of personal data and pattern recognition in a manner that is heightened. At the same time, AI will also intersect with the deep lack of overall trust in our current society. Usage of AI for verifying, categorizing and exposing will become an even [deeper point](#) of interest.

AI will be the dial-up tone of the 90s. Just how we'll all best connect to it, will continue to be that which successful business leaders track and implement.