

ARTIFICIAL INTELLIGENCE AND MACHINE LOGIC IN EVERYDAY LIFE

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People commonly were first introduced to the idea of intelligence that comes somewhere else other than human being by authors like Isaac Asimov and Harry Harrison. The main thing that they presented in their literature was not only showing all the benefits that we will receive after integrating extremely smart systems in our lives but also showing the other side, the small bugs and glitches, which most definitely will appear sooner or later, not only from the technical point of view but also from moral perspective.

The definition given by Wikipedia states that «artificial intelligence is the intelligence exhibited by machines and software». The next question that needs to be answered is «how it's going to work». That's a pretty tuff question; many people were very curious about it and obviously tried to solve it. The simplest and also one of the most effective answer was given by pioneering English mathematician and logician Alan Turing. He «imagined» machine that will under some circumstances perfectly imitate human behavior. It's appropriately called Turing machine. Said circumstances were called the «imitation game» where two test subjects one of which is real person and second one is Turing machine are subjected to the set of question delivered by the human arbiter. Turing machine could lie and cheat, do absolutely anything to sure arbiter that it is a real person and the other contestor is a lying and cheating machine. Technically Turing was right on behalf of imitating human activity and thought process, but on the other hand it streamlines the intelligence part of it. In greater scale with other problems to solve this AI would be useless. That's why there are alternatives that are called Super AI, that's a bit different approach with unique benefits. This type of intelligence will not only try to simulate human brain but also will know everything, instantly. How, you may ask? By the power of the Internet, not

the network that we all know and love but the Internet of Things, network that will scan, store and retrieve «memories» about every single fact of every single thing that we use in our life, we will be the force that updates this network. And by doing this we will theoretically solve many problems of nowadays life. Furthermore we are doing this right now, but with less sophisticated systems.

Great example would be traffic system management. There are systems out there that are monitoring roads online and calculate how to rebalance the upcoming traffic to prevent jams. Possibility of using AI that will create jam-proof road passage for new cities to be built or even managing the already created layouts is not else but awesome. Another application would be financial and marketing improvement. In our world of non-stable economy it would be crucial to have system that will foresee such events and even come up with quick solution. In the near future it would be possible to use this incredible technology in some sort of weapon or strategic adviser, weapon smart enough to eliminate target precisely, without any harm of civilians or witnesses. Or maybe a system that would find the target of terrorist attack before such thing occurred. And last but not least in my humble opinion is possibility of utilizing the immense power of this creation in exploring Earth and Universe. After many years of research we still have a lot of material to work on Earth let alone in the seemingly endless space.

Giving a quick look on everything already said it would seem that all things related to AI are fine and dandy. But with a lot of pros there is a bunch more cons. I'll give a quick rundown of them with a bit of explanation. Many scientists that are working in the field of AI-programing have different opinions on thing that I like to call «problem of interfaces», it potentially can occur when AI will be curious about human feelings and everything intricate from the realm of psychology. Chances will grow drastically if this technology is implemented in our day-to-day life. This always curious system will try to understand us. And there will be always a «what if» question about proper understanding of our motives and thoughts by this machine. What if it will rise up against us on behalf of misunderstanding our desires? What if it will see us as a threat? Also we could potentially suffer from bugs that could be overlooked because of sheer amount of raw code that runs our imaginary AI. Even

the least of problems can loosen couple of screws in its head and we will immediately see that if AI is integrated in some crucial to life systems. You can watch some speculations on this idea in movies and literature; it's a common theme for science fiction. Less used concept for those media is Moses imagery posted on AI. That's could be a problem too. If we build an army of flawless AI, we could lose all of them because one with defect; theoretically he will rebel them against us because we are basically slavers and let's face it no one likes to be used without any choice made.

People may be wandering why with all those creepy things that could happen so many people are willingly working on this dangerous technology. For this occasion there is a bright of already existing thing that we all use without even thinking about it. We've been using it for quite a while, have been in trouble with it couple of times. It has been originated from the weapon. If something goes wrong with it many will be harmed, nature will be poisoned and years will be wasted to cover the consequences. But with the right use it will be beneficial for everyone. Nuclear reaction; phenomenon that scared many but gave so much power. The meaning of previous statements - with every given risk you may have a great profit. Potentially we could have a breakthrough in medicine and health care if we handle the task of finding cure for new virus or finding method how to heal specific organs to the AI. Also this system could work on environmental problems or problems of overpopulation by reaching beyond our imagination, where we will fail it will succeed. Great point to support research of this technology is possible improvement of everyone's livelihood, not the whole society but life of every individual person. Would you mind having your own secretary that should have minimum supervision and maximum help? That will always be at your service whenever you like it, integrated in things you use, take and wear. On top of everything you could manage it by spoken language. If you would like so you possibly could make friends with it, who knows? Possibility of good use is almost limitless, when it comes out you'll see it everywhere.

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