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IMPLICATIONS OF ARTIFICIAL INTELLIGENCE ADVANCEMENTS ON HUMAN SOCIETY

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Анотація
Було розглянуто популярні питання щодо розвитку ШІ та сценарії його впровадження в життя людей. Було виявлено можливі шляхи взаємодії людини з ШІ. Було знайдено деякі загрози та занепокоєння пов'язані з удосконаленням ШІ.
Ключові слова: штучний інтелект, людство, роботи, технології, майбутнє.

Abstract
Popular topics on AI development and scenarios of its implementing in humans lives were discussed. Possible ways of human-AI interaction were discovered. Some threats and concerns related to AI improvement were found.
Keywords: artificial intelligence, humanity, robots, technology, future.

Introduction

The artificial intelligence has already changed our lives forever. It is like the Industrial Revolution and the Digital Revolution, it had happened and we can no longer live like before it. Since AI was created and given to the public, it had changed beyond recognition. And what will happen next? How the artificial intelligence will evolve and will it become something more than just a program? What will happen to humanity when something new and unexplored will spread to every corner? We don't know exactly what will happen, but we can suppose and get ready if something goes wrong.

Research results

Let's start with the question that is, perhaps, the most frequently asked: is the artificial intelligence actually the intelligence? Could it be equal to human intelligence or it is just a computer program? On one hand, AI is just software; it does only what the programmer told it to do. Let's take self-driven cars as an example. They have exact algorithm how to behave in different situations. When a dangerous situation happens on the road, these cars know what to do. They are programmed to save the driver's and passengers' lives. Cars don't have the mind, they don't decide how to make the greatest decision from the moral principles. They save lives in case of the accident because they are programmed to do so, not because of the empathy.

On the other hand, AI is not a typical program. It could take all the data it could access, analyze it, and make its own "conclusions". Data is not processed by the real "mind", but by the computer algorithms. However, AI can answer the questions that were not specified in the code. It is going through its "evolution", and hypothetically could grow into something more complex than just the software. Maybe, in the future AI will have its own "virtual brain". Brain that will have nothing in common with the human's one, except for the ability to think. It will be the gathering of digital information, the software which will be able to deal with any problem by analyzing facts using computer algorithms.

Another question that worth discussion is will the AI replace humans? The most possible scenario of the future human-AI interaction is when people will exist along with the AI. People and machines understand the commands and world in general, in different ways. When giving the task to the machine we have to specify it as much as possible to get the correct result. People understand the idea and can do it right without certain instructions. So humans are actually making the decisions, AI only help to perform them. And this is happening now. We have multiple tools to help people do some work better and faster, we have AI-devices which can make a huge amount of dull tasks to give people more free time. Even if AI will evolve and get new features, it will always rely on humans; it could not exist without our assistance.

However, we can suppose another scenario. Robots will become another part of society, just like humans. It is not likely to happen in the nearest future, but we can expect that in several hundred years. It could happen if people improve their knowledge and skills enough to create fully-functioned artificial humans. After some time they could be recognized as individuals. Artificial humans will never be like real ones; they could be better in one kind of activities, while worse in the other. If humans and robots will be able to recognize one another, live happily using advantages of this interaction, we will have the completely new world with endless possibilities.

The problem that could appear in the world where robots are a significant part of humans' lives is do they deserve the basic human rights or we have to fully control them? If you ask that question to the AI, for example Chat GPT, it will say that they definitely need to have the human rights. It is a very complex question in fact. If we will create artificial humans that will be similar to the real, and the only one thing that will be different between them and us will be the material they are made of, we will be forced to give them the rights. The artificial humans will be just like us, only with the different origin.

However, there are some concerns about that decision. The artificial intelligence was made by humans; it is a program, but a very smart program. Human behavior is well-known, it is well-explored by scientists and we simply know a lot about it because we are humans. In case of the AI, it seems like we know how it works and what to expect from its behavior in any case. In fact, that is not true. We can never know exactly what the robot will do. We cannot trace the way of its self-improvement. We have to control everything we have made before it is too late. Giving human rights to a computer program means giving our future to the mysterious hands we know nothing about.

Conclusions

The artificial intelligence is just given to the public now. We can implement it in our lives to improve them as much as possible. Or we can lose our "real" world forever by replacing it with everything AI-generated. The life has changed and we are no longer able to take it all back. What will happen next is only up to us.

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