economic development, investment attraction and job creation. Government programs and initiatives are aimed at supporting the development of artificial intelligence in the aerospace industry by providing research grants and stimulating innovative projects.

One of the promising fields is the development and implementation of autonomous spacecraft capable of performing complex maneuvers on their own. Areas of research in the field of artificial intelligence in the aerospace industry include the development of algorithms for determining optimal flight trajectories, managing satellite networks, and analyzing space images automatically.

Ukraine already possesses considerable experience in the field of space research and development of space technologies, and the introduction of artificial intelligence into this field opens up new opportunities for further growth. Thanks to active development in the aerospace industry, our country maintains its place among the leading players in the world space and is able to ensure a high level of technological and scientific progress.

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DIRECTIONS OF APPLICATION OF ARTIFICIAL INTELLIGENCE IN EDUCATIONAL PROCESSES

The appearance of artificial intelligence in modern life was a breakthrough in the history of mankind. Every day we perform actions that we once thought could not be automated. The main task of artificial intelligence is to simplify life and save our time and energy by performing those processes that a computer program can do for us, but much faster and with less error in calculations. As mankind once developed calculators, so now they have been replaced by a more innovative solution to modern problems. Of course, in order to be able to use artificial intelligence correctly, it is necessary to understand how it works from the inside, with the help of which algorithms, operations and, most importantly, logic, it is created. All this will help to get the maximum amount of information and the quality of the result from the existing implemented technologies.

The principle of operation of artificial intelligence is the same, regardless of the narrow specialization of the programs, but almost everyone now hears ChatGPT. The first launch of the program took place on November 30, 2022 in the browser version. ChatGPT is a chatbot, based on a language model, developed by the company OpenAI, which specializes in the development of artificial intelligence. The main task of the bot is to answer any of your questions, the answer is formed on the basis of a database available on the Internet. Of course, the logic of the answer is present and corresponds to a high level, since the principle of operation of artificial intelligence also includes an evolutionary skill. In simple words, with each new request that is similar in structure, the quality of the answer to the question will be better [1].

The range of questions is unlimited. You can use ChatGPT in any direction: scientific, technical, educational, etc. The chatbot will tell you how to cook pancakes according to the culinary technologies of different countries of the world, provides information about the weather in any geographical space, solves a problem in mathematics, physics, computer science for you, writes a report or an article, perhaps this report was written using ChatGPT, the chatbot can even tell you a joke that your grandfather once told you. You can list an endless number of possibilities that not only ChatGPT is capable of, but also other types of artificial intelligence.

Most often, ChatGPT is used for educational purposes, which I listed above, but I want to highlight its most useful functions: solving problems, drawing up a plan or structure of a report, highlighting the main points and terms or formulas from an outline, translating texts from other languages, since the translator will cope with this task worse than ChatGPT. There are many useful features that allow you to use the paid version of ChatGPT, the subscription of which is 20\$/month. According to Forbes, OpenAI earns approximately \$28 million/month from ChatGPT Plus. The paid version includes more useful functions that will be applied directly in professional areas, and not only in educational ones. But like anything in our world, ChatGPT has its drawbacks. For the most qualitative answer to the question, the request should be entered in English. ChatGPT is more inclined to answer theoretical questions than practical ones. It should also be noted that ChatGPT is used only as a separate panel in your browser, while Microsoft has developed a browser with built-in artificial intelligence. Microsoft Edge has built-in AI-powered features that enhance your browsing experience, including side-by-side browsing that makes shopping easier and faster, getting detailed answers, summarizing information, or finding new inspiration for development, all without leaving the browser and switching tabs. This adds more ease of use than ChatGPT. In any case, ChatGPT is an excellent solution or simplification of many modern problems [2].

ChatGPT is not the only artificial intelligence that can be used for educational purposes. MuseNet is an artificial intelligence to help you write music, it's a very nice add-on for people who are into music. Palette – will help you paint a black and white photo, a very useful artificial intelligence for journalism students. DeepL – translates text from one language to another better than ChatGPT or a regular translator, which will be useful for students studying foreign languages. Cleanup.pictures – removes unnecessary objects from photos. Looka will create a logo for your company using the most creative approaches and tools. Tome – creates a presentation on any topic using bright images and the most pleasant graphic elements. Most of the listed artificial intelligences are free, but if you search on the Internet, you can find analogues of paid applications that will perform the work worse, but this will be enough for educational purposes, unlike scientific or professional ones.

Based on the information received, it is possible to conclude that artificial intelligence is a quality tool to improve life for many people. In my opinion, for the best use of the latest technologies, one should not only be able to use them, but also have an understanding with the help of which algorithms and tools this or that application was written, as in the example with ChatGPT, where questions should be asked in English, which will lead to improving the quality of the received answer to the question. Many students are currently using new technologies to improve and simplify the process of getting an education, which in my opinion is a good alternative and a big step in the future education system.

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