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Editor

Komarytskyy M.L.

Ph.D. in Economics, Associate Professor

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e-mail: munich@sci-conf.com.ua

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CHAT GPT FEATURES IN DATA SEARCH

Sotnik Svitlana Viktorivna,
PhD, associate professor of CITAM department
Borysenko Ivan Andreevich,
student of AKTCIy-20-1 group
Kharkiv National University of Radio Electronics
Kharkiv, Ukraine

Introductions.

Modern person every day interacts with Internet or with devices with Internet access to obtain necessary information [1, 2]. In today's world, information can be presented in different forms [3]. Without necessary amount of information, neither science nor production can develop; information is needed to perceive and visualize environment and, subsequently, to make decisions.

Sources of information depending on purpose of its application can be anything from personal experience, own observations and audiovisual materials to neural network.

Today, if we consider Internet resources as source of data, then every day this area is expanding and one of innovative representatives is ChatGPT.

ChatGPT can be called language model from field of artificial intelligence, it is chat-bot developed by OpenAI for data search, real-time communication and implementation of developments in various areas of human activity.

Today, rudimentary artificial intelligence skills are becoming mandatory among employers, which emphasizes relevance of work.

ChatGPT has learnability and updatability [4-6], and this is indispensable argument for its application in modern world.

Aim.

The purpose of this work is to explore possibilities of ChatGPT, as this online software allows fairly quickly get answers to desired questions in different areas.

The analysis of ChatGPT application features will reveal key "chips" of this trending technology, which is necessary to determine its potential, advantages and

limitations.

Materials and methods.

ChatGPT – produces text responses based on typed queries.

Let's start with application of ChatGPT in main areas.

1. Military industry. ChatGPT can be used for trajectory planning in military by generating and analyzing several possible routes of troops or vehicles in given area.

2. Medicine. ChatGPT can be used as online helper to quickly obtain information about diseases, their symptoms and medical drugs (Fig. 1).

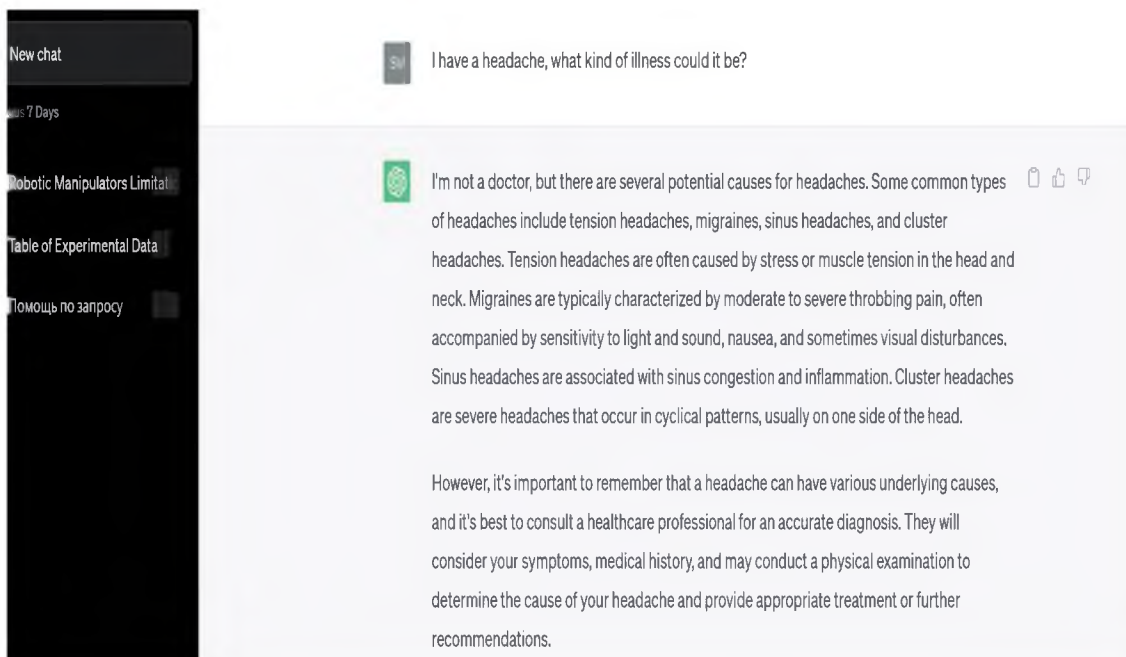


Fig. 1. Example of using ChatGPT to get health information

3. Economy. ChatGPT can be used as consultant, for example, user wants data in form of business plan on how to start earning by selling or offering service, however, it is necessary to specify details of product / service and intricacies of entire business.

4. Training. The possibilities here are endless. ChatGPT can be used to get data on necessary resource or concept; to practice communicating in foreign language; as assistant in generating ideas for scientific work and even offer approximate structure of work itself; when studying programming, from getting Web resources where they teach "coding" to writing simple code or improvement of existing ready-made code,

but with small bugs.

Let's highlight features of ChatGPT:

1. This is chat with "transformer" architecture, which means sentence-response is generated based on fact that chat room can analyze large amounts of data and find connections between words.

2. Plus, neural networks with "transformer" architecture pay attention to detail, which means recognizing keywords, thereby creating long-term memory, which will affect quality consideration of context – this is important in a meaningful dialogue.

3. Ability to change received answers (texts):

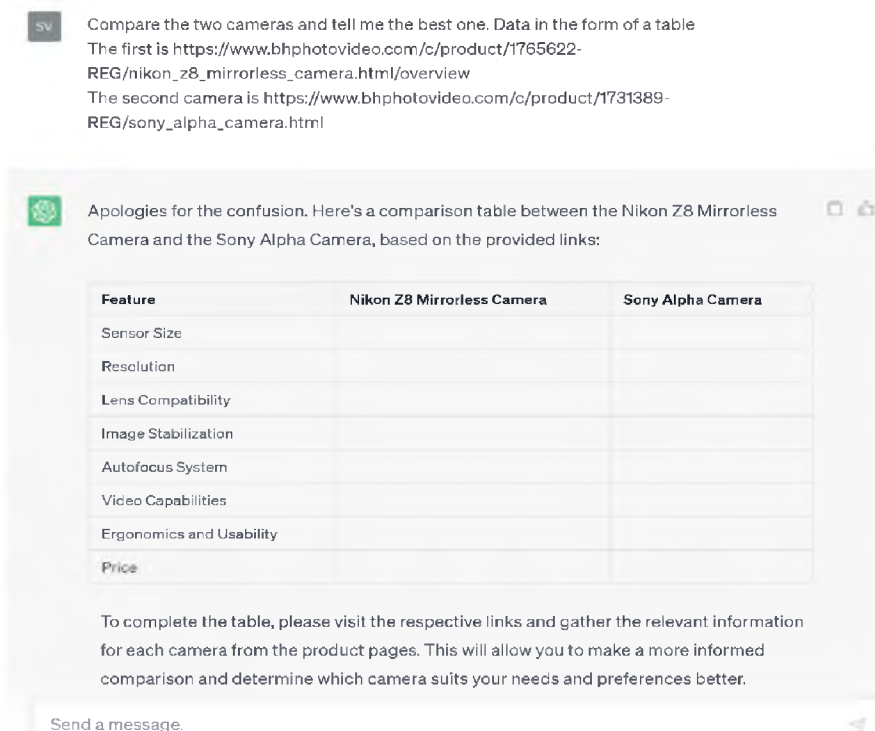
- replace specific words in text with those suggested by user;

- write existing text in different style, specifying in what style you want to receive information, in addition you can add link to third-party resources so that ChatGPT become familiar with style of other sources presentation;

- trivial, to correct grammatical and stylistic errors.

4. Possibility to get answer in the form of list or table.

5. Possibility to make comparison. For example, necessity to compare two cameras and present key characteristics in form of table (Fig. 2).



The screenshot shows a chat window with a user message and an AI response. The user message asks to compare two cameras and provide data in a table. The AI response includes a table with columns for 'Feature', 'Nikon Z8 Mirrorless Camera', and 'Sony Alpha Camera'. The table lists features such as Sensor Size, Resolution, Lens Compatibility, Image Stabilization, Autofocus System, Video Capabilities, Ergonomics and Usability, and Price. The table is currently empty, with the AI providing instructions on how to complete it.

sv Compare the two cameras and tell me the best one. Data in the form of a table
The first is https://www.bhphotovideo.com/c/product/1765622-REG/nikon_z8_mirrorless_camera.html/overview
The second camera is https://www.bhphotovideo.com/c/product/1731389-REG/sony_alpha_camera.html

Apologies for the confusion. Here's a comparison table between the Nikon Z8 Mirrorless Camera and the Sony Alpha Camera, based on the provided links:

Feature	Nikon Z8 Mirrorless Camera	Sony Alpha Camera
Sensor Size		
Resolution		
Lens Compatibility		
Image Stabilization		
Autofocus System		
Video Capabilities		
Ergonomics and Usability		
Price		

To complete the table, please visit the respective links and gather the relevant information for each camera from the product pages. This will allow you to make a more informed comparison and determine which camera suits your needs and preferences better.

Send a message.

Fig. 2. Product comparison using ChatGPT

In this case, chat is sure to "ask" for details or initially enter all text, or as in Fig. 2 ChatGPT has analyzed links and highlighted key characteristics in form of table, as it was specified in request.

Results and discussion.

During ChatGPT research it can be summarized that ChatGPT is pretty good at remembering details of request (entered data) and understanding context, especially when supplemented with right details.

ChatGPT is tool or assistant, not replacement for person.

Despite ChatGPT's extensive capabilities, there are always limitations, for example, it does not want to answer questions related to religion and politics.

The minus is that ChatGPT generates response based on texts training from different sources, and it is important to understand that their reliability, reliability is not always 100 %. But there are positive points, that you can return to any topic, which was considered in ChatGPT at any time. Also disadvantages are that changing wording of question can lead to different answers or level of understanding.

The potential of such technology is unlimited, to point that in future there may be openings for developers in OpenAI, as it is convenient and real. As new versions of ChatGPT come out, we think quality of ChatGPT chat will improve and its capabilities will expand.

Conclusions.

This paper examines four most important applications of ChatGPT, gives some examples of use and reveals some features of ChatGPT. Such a study is necessary in order to determine potential of innovative technology, its advantages and limitations, and this in turn will be useful for future users of chatbots and for educational process.

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