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WEB DESIGN AND WEB PROGRAMMING

The development of webdesign, like the Internet, in our country occurred in the 90s of the last century. Before that, the stone age reigned in computer technology, when websites could not even dream of visual content: they consisted entirely of text. For the first time, the text "met" with the image in the distant 1993, and since then the history of web design began to count, a short excursion that is presented in theses.

Web design is a branch of web development that covers a number of directions and disciplines for creating and maintaining sites or web applications, such as graphic web design, interface design, authoring (including standardized code and proprietary software), usability and optimization for search engines. Most often, the various stages of the web design process are carried out by relevant specialists (project manager, designer, web programmer, web master, etc.), although some web designers can do everything themselves. The term web design is commonly used to describe the design and implementation of the client side of a website, including layout.

The most famous and most popular Internet service is the World Wide Web. It was after its distribution that mass user access to the World Wide Web became possible. The Web owes its birth to Tim Burns-Lee, who invented the HTTP protocol, URLs, and the HTML language, the technologies on which the Web is based. The Web service is supported by a set of servers capable of exchanging data using the HTTP protocol. There are millions of these servers, and they are spread all over the world. They contain web pages — special documents created using the HTML language. Every web page has a URL by which it can be found. Web pages are viewed in special programs - browsers, the most common of which are Internet Explorer, Mozilla, and Opera.

Since the design contains elements of art and engineering, their rules apply to it, which can ensure the creation of quality layouts and mockups for online publications. One of the basic rules indicates that design has a purpose and means are chosen depending on the tasks. Thus, design is not the design of web pages, but a design activity designed to realize predetermined goals.

Anyone can learn how to create websites. But you need to understand that in order to do it at a good level, it is necessary to combine a number of different knowledge and skills, which together allow a specialist to make really high-quality web projects.

With the constant development of technology, web design must look for new ways to innovate. One of the most important developments in recent years is the development of artificial intelligence and machine learning. Artificial intelligence algorithms are becoming increasingly sophisticated and capable of learning and analyzing data independently, which has a big impact on web design. For example, artificial intelligence can be used to personalize websites, analyze user behavior and offer customized content. This will allow for a unique design that adapts to the needs of each user. However, it is important to note that the growth of artificial intelligence can also raise ethical questions. For example, how to preserve user privacy when algorithms know a lot about their habits and personal data. This requires careful consideration and development of ethical standards for web designers and developers.

The growing use of artificial intelligence and virtual reality will influence the development of web design beyond 2024. Artificial intelligence will automate many web development processes, making web designers more efficient. The use of virtual reality opens up new possibilities for creating immersive web experiences. Web designers should be prepared for these changes and constantly improve their skills to stay competitive in the market.

Summarizing the above, we will come to the conclusion that politics, economy, culture, the latest technologies - all this affects web design every day. In my opinion, 2024 promises to be a year of great changes in the world of web design and web programming, because dynamic micro-animations, 3D technology - all this creates an innovative and exciting space for users.

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