



Exploring the Development of Computer Science and Technology and its Relationship with Informatization

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How to cite this paper: Junyao He, Miaoyu Wang, Yichen Yan. (2024) Exploring the Development of Computer Science and Technology and its Relationship with Informatization. *Advance in Information Technology and Computer Science*, 1(1), 18-21.

DOI: 10.26855/aitcs.2024.12.005

Received: October 16, 2024

Accepted: November 6, 2024

Published: November 27, 2024

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Abstract

With the continuous development of electronic technology, computer technology has been continuously developed. In this process, it has gradually affected people's way of thinking and lifestyle in daily life. For the computer itself, it is one of the important factors to promote social and economic development, and it is also an important guide for the future development of science and technology society. Among the factors that restrict the development of computer technology, science and technology account for a large proportion. Therefore, the speed of development of science and technology directly affects the rapid development of computer technology. How to make science and technology continue to develop on computers has become an increasingly important core factor in people's modern life today.

Keywords

Computer; science and technology; development of information technology

Introduction

The existence of computers has greatly improved the efficiency of people's lives and work. First of all, it has achieved global knowledge sharing, making many unknown fields familiar to people. At the same time, it also affects what we see and hear in our daily lives, especially after the combination of the Internet and computers, it makes the globalization of information even larger and more influential. Nowadays, the development direction of computers can be said to be diversified. It can also provide a wide range of information and bring convenience to our work. At the same time, computer technology is also a reflection of a country's strength and plays an important role in promoting social progress and development. The development of science and technology directly restricts the development of computer technology. Only when the fields of science and technology are broader can there be more practical and bold inventions on computers, but today's high-difficulty science and technology cannot be separated from computer applications. Therefore, the continuous development of computers can also promote the continuous progress of science and technology at the same time, so the relationship between the two is complementary.

1. Current status of the development of computer science and technology in my country

With the rapid development of our society, computer science and computer technology are becoming more and more perfect. In today's society, science and technology are the primary productive forces. The development of computer science has brought confidence and motivation to scientific and technological production. Computer technology is constantly developing and improving in practice. With the current advanced computer level in our country, it can bring people more convenient, faster and better services. According to the productivity of many companies at present,

computer science and technology will also become closer to people's lives with the development of social economy. The current situation and development have reached various fields and lives, bringing unprecedented impacts to the development of modern society.

1.1 Computer modernization is in various fields and aspects

Diversified presentation. In the process of applying computer science and technology, computer science will become more and more systematic and specialized, and will penetrate into all walks of life and become closer to life. In the modern information society, computer science and technology have gradually become an effective way for the main productivity of various industries, increasing social competitiveness, and computers and science and technology have also driven computer science to develop in a systematic and specialized way, based on more perfect and effective services for people. In various industries, more and more attention is paid to the cultivation of outstanding talents in this area, and more and more attention is paid to the diversified performance of computer production products. In modern society, if enterprises want to gain a foothold in the fiercely competitive market, they must produce diversified products.

2. Current development of computer science and technology

2.1 Unprecedented development speed

The research and development of computers began during World War II. During the war, there was a high demand for the organization and dissemination of information, which prompted the concentrated research and development and application of computer technology at that time. The United States was the first country to manufacture computers. At that time, computers were large in size, slow in operation, and high in manufacturing cost. Such computer technology was not suitable for all countries, so at that time, computer technology was not widely used in other countries. With the later integration of the world economy and the expansion of the scale of international trade, as well as the gradual development of the economies of various countries, the competition between countries and industries intensified, which led to an increase in the demand for computer science and technology. Computers and related industries developed rapidly, allowing computer technology to be continuously innovated and reformed [1]. With the advent of the "Internet +" era, the integration of various industries with computer science and technology has not only achieved innovation and development in various industries, but also made people's lives more intelligent and humane. While providing a strong internal driving force for social development, it is also enriching people's production, life and entertainment methods.

2.2 With the rapid development of computers, a series of technical problems will also be encountered

The main problem facing the rapid development of computers is that the specialization and technicality of talent training cannot meet the standards of practical application, and the development of various software in the computer industry is conflicting, the competitiveness is gradually expanding, and the elimination and update rate of the products produced is too fast. In the era of rapid development of modern information, there is a considerable shortage of talents in the computer industry. The technical disciplines of computer information technology are constantly added to colleges and universities, but the school education cannot keep up with the pace of social development today. Colleges and universities focus on students' theoretical knowledge of computers and do not implement the combination of theory and practice for students. This directly affects the large-scale loss of computer talents. If there is a lack of computer talents, then relatively high-end companies cannot find talents suitable for computer positions, and must re-train talents suitable for the computer project, which will also delay the work efficiency of the company. In the process of computer professional teaching in colleges and universities, they are constrained by the school's teaching major and goals, resulting in the lack of outstanding skills and technical advantages of the talents trained by the computer, and lack of their own understanding and views of the profession. It is difficult to develop if you stay on the surface of computer professional terminology.

2.3 Rapid development and wider application range

Against the backdrop of rapid development in various industries, computer science and technology has also entered a stage of rapid development, which can provide more sufficient impetus for scientific and technological production

and enhance my country's scientific and technological capabilities. With the accumulation of computer theoretical knowledge and technical practical experience, the application of computer science and technology has become more mature, which can meet the needs of the masses in all aspects and improve the way of working of the masses. At the same time, the application scope of computer science and technology is becoming more and more extensive, and it can play a certain positive role in various fields of society such as education, scientific research, and commerce, which is conducive to promoting the overall modernization of society.

2.4 Higher level of specialization and intelligence

In order to adapt to the requirements of social development, computer science and technology are constantly developing in the direction of specialization and intelligence. They can be applied to various industries and fields to promote the healthy and stable development of the industry. At present, computer science and technology has become an important means for enterprises to improve their own production efficiency, which can enhance the core competitiveness of enterprises and enable them to better cope with various challenges. At the same time, while applying computer science and technology, it is also a process of accumulating experience in the application of computer science and technology, which can promote the continuous development of computer science and technology in a better direction. In addition, talent competition has become a major problem faced by enterprises. More and more attention is paid to the training of computer professionals, and their products are becoming more and more diversified, which can ensure that the quality, performance and appearance of the products meet the requirements, thereby helping enterprises expand their own markets.

3. Analysis of the current development of computer science and technology

3.1 Computer science and technology are developing rapidly

With the rapid development of China's economy, computer science and technology have also made significant progress. In the current society, science and technology are the important foundation of national development. The development of computer science provides a comprehensive guarantee for China's scientific and technological production and a stronger source of power. Computers are formed on the basis of science and technology. They can effectively deepen the actual construction of computer science and technology in China and provide more convenient and high-quality services for China [3]. From the current actual situation, it can be seen that in actual development, the use of computer science and technology will change with the changes in social needs, and it has formed a close connection with people's lives. It can be effectively applied to people's lives, work and other aspects, and has a more positive significance for promoting the actual construction of a modern society.

3.2 Increasingly intelligent and informatized

Whether in industry production or daily life, intelligence and informatization have become the focus of development. In the past, including the advanced stage of computer technology, people have had many imaginations about the future society, and these imaginations have become reality [4]. The scope of application of computer science and technology has been continuously expanded. In particular, the concept of the Internet of Things has been proposed in recent years, which has effectively improved its application scope. In the long-term use, people can remotely operate through the Internet, and various devices have effectively improved the overall level of work and life. In the future, the use of computer science and technology in intelligence and informatization will gradually improve, meet the actual needs of society to a greater extent, and have a closer relationship with human life.

3.3 Application of computer science and technology in business

Entering the information technology era, the application scope of computer science and technology is relatively wide. In addition to scientific research, education and other fields, the application of computer science and technology in the business field is also very common. With the support of computer science and technology applications, business models have been innovatively developed. With the auxiliary support of communication networks, the use of computer science and technology to carry out diversified e-commerce activities has become a mainstream trend in society. For example, Tmall, JD.com, Vipshop, etc. are e-commerce platforms spawned by the application of computer science and technology in the business field, which have been well received and favored by domestic consumers. Under

the combination of computer science and technology and business, consumers can get a good shopping experience anytime and anywhere through the platform, and can reduce the operating costs of merchants. In addition, under the background of the development and popularization of modern smart phones, computer science and technology have turned to the direction of value-added services for mobile clients, and a large number of dedicated APPs have appeared in application stores. In short, e-commerce has broad development prospects in the modern business field. It can not only reduce the operating costs of merchants, create good economic benefits, drive employment in the new era, but also promote the transformation and upgrading of the commercial economy.

4. Conclusion

Computers are absolutely vital to the development of our human society today, but if computer technology always stagnates, it will definitely not help the development of human society, so it is necessary to reform and develop the computer field again and again through reasonable science and technology. Only by keeping up with the development of the times can we make computers inseparable from our daily lives and improve various efficiencies in our daily lives. In the future, the role of computers will not only provide help in our daily lives, but it is also likely to become the key to changing the times. Artificial intelligence is a high-end product of computer development. But at the same time, computer research and development is not necessarily all beneficial to human development. In the process of scientific and technological guidance, we must pay attention to the ethics of human society and whether advanced computer technology will have a negative impact on human society. These are important directions that scientists need to consider.

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