Research on the Development Trend of Computer Science and Technology in the “Internet +" Era

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Abstract: In the process of the continuous development of social economy and science and technology, the demand for computer science and technology in various industries is constantly expanding, which to a large extent promotes the development of the computer industry. In the current process of social development, computer science and technology have changed people's daily life and production methods to a large extent. Moreover, computer science and technology are closely related to information. Therefore, this article studies and analyzes the development trend of computer science and technology in the "Internet +" era from the perspective of social development to explore the practical application of computer science and technology. This will help further promote the development of computer science and technology in the "Internet +" era.

1. Overview of "Internet+"

Since the Internet began to prevail, its continuous development has had a great impact on people's daily life and work. Moreover, in the development of "Internet +" technology, the Chinese government pays more attention to the development prospects of computer science and technology and its strategic significance in promoting social and economic development. At present, my country has effectively integrated the network and cloud computing, big data technology with the traditional manufacturing industry. This will not only ensure the gradual growth of the electronics industry, but also promote the further development of "Internet +" technology to a large extent. In the current wave of technological innovation, science and technology have occupied a core position, which indicates that science and technology have entered a new stage of development. In addition, various countries also pay more attention to scientific and technological reserves and research and development work, and computer science and technology is a key item in the development of science and technology. At the moment, computer science and technology play a positive role in improving the level of economic development and promoting the optimal allocation of social resources. Only by mastering the latest computer science and technology can we ensure that we are in a leading position in technological innovation. Therefore, under the current "Internet +" background, promoting the development of computer science and technology and mastering the future development trend of computer science and technology are of positive significance for improving my country's scientific and technological research and development level and enhancing my country's comprehensive national strength [1].

2. The Characteristics of Computer Science and Technology in the Internet + Era

In the era of "Internet +", the development of computer science and technology shows some

characteristics, which will affect the development trend of computer science and technology to a certain extent. Its impact is mainly manifested in the following aspects. First, the update speed of computer science and technology is relatively fast. Under the influence of "Internet +", the development momentum of computer science and technology is relatively sufficient. The continuous development of computer science and technology can improve user experience. Users are the main service objects of computer science and technology. Regardless of how the technology develops or in which direction it is developing, it must adhere to the research of computer science and technology based on the needs of users. Therefore, in the development of science and technology, relevant personnel need to respect users' suggestions. In addition, the development of computer science and technology itself has a positive effect on promoting the development of society. In consequence, the government needs to strengthen the human, material, and financial support of computer science and technology in order to promote the optimal development of technology. At present, my country has established a special supercomputer center, which can further enhance the development level of computer science and technology. Second, the operational functions of computer science and technology are more powerful. In the process of rapid development of science and technology, computer processing systems have become more and more powerful. This has a certain connection with the rapid development of microprocessors. During the development of the microprocessor, the speed of data processing by the system has been increasing. Therefore, the work efficiency of all walks of life can be effectively improved, which greatly promotes the sustainable development of the social economy. Third, the practicality of computer science and technology is relatively strong. At this stage, computer science and technology will be combined with advanced technology in the application process. For example, the current e-commerce industry is developing rapidly. As a result, combining computer science and technology with e-commerce can stimulate the vitality of the e-commerce industry. The development vitality of the e-commerce industry is mainly manifested in the aspects that computer science and technology can effectively coordinate and plan the supply chain, sales link, warehousing and transportation links in the development of e-commerce. Relevant personnel use computers to build information databases to ensure the reliability and coordination of the operation plan, thereby improving the overall work quality of e-commerce in the development process [2]. Fourth, computer science and technology have relatively strong risk defense and control capabilities. In the continuous development of the "Internet +" era, the development of computer science and technology has become more mature. The disadvantages of the risk prevention measures adopted by enterprises in the past are becoming more and more obvious. Moreover, the use of "Internet +" technology and computer science can accurately evaluate and analyze the risk factors existing in the operation of the enterprise, thereby improving the enterprise's risk prevention and control capabilities. This is mainly due to the relatively high degree of informatization in the application of "Internet +" technology and computer science technology. Enterprises can master internal and external information by fully applying these technologies and ensure the comprehensiveness and accuracy of information and data. In this way, reasonable judgments can be made on the risks that exist in the operation of the enterprise. In this way, enterprises can optimize risks and adopt effective solutions to improve their operational level.

3. Application of Computer Science and Technology in the "Internet +" Era

3.1 UAV Application

At present, the continuous development and progress of computer science and technology is of great significance to the research and development of UAV technology. From the perspective of military defense, UAV research and development can greatly improve my country's military reconnaissance and electronic jamming work. We can even use drones as attack weapons to track and attack targets.

3.2 Application in Education

The rapid development of computer science and technology is also of great significance to the

development of the education industry. Because in the rapid social and economic development, the scale of the education industry is constantly expanding. At the same time, the use of computer science and technology to build an information-based education platform and research and develop various learning software is of positive significance to the improvement of the development level of the education industry. Analyzing from the perspective of students, students can use computer science technology to find the knowledge they need, and they can continuously expand their knowledge horizons. Once students have problems in their studies and life, they can also use computer science technology to easily solve them. Therefore, the way students learn will be influenced to a large extent by computer science and technology, which will not only simplify students' learning, but also help improve their overall quality. From the perspective of teachers, teachers can use computer science technology to innovate teaching methods and teaching methods. Meanwhile, teachers should also enhance the interest of classroom teaching and stimulate students' interest in learning, which has a positive meaning for improving the level of teaching.

3.3 Application in Power System

In the process of building wind power plants, China will choose some relatively empty areas with few houses, such as desert or coastal areas. However, since this environment itself is relatively harsh, wind turbines are easily disturbed by the natural environment. For example, the temperature is too high or too low, salt spray and other issues will affect the operation effect of the wind turbine. In order to ensure the performance of the generator, we need to strengthen the relevant hardware. In addition, we must strengthen the monitoring and diagnosis of machines. Moreover, the use of computer science and technology can effectively realize various monitoring functions and diagnostic operations during the operation of the power system. Related maintenance management personnel can also use computer science and technology to understand the overall operation of the power system. This can reduce the workload of the staff to the greatest extent and reduce the manpower and material input in the maintenance process of the power system. For example, the use of computer science and technology can realize the automation of power system dispatch. At the same time, this can also ensure the rationality and stability of the power supply and distribution dispatching during the operation of the power system, which is of positive significance for improving the operating efficiency of the power system itself.

3.4 Application in National Defense and Military

The application of computer science and technology was originally designed and developed based on military needs. So far, computer science and technology is still one of the most critical technologies for the military and the national aerospace sector. At this stage, in the process of processing government information, the application of computer science and technology in the process of simulating military plans and formulating military strategies is relatively common. In order to promote the development of social informatization, we must attach importance to the extensive application of computer science and technology products and related equipment. Especially in the process of modern national defense and military force building, the application of computer science and technology is of great significance. At present, the national computer science and technology development level will affect the military modernization level and the country's comprehensive strength to a certain extent. For example, the changing laws of nuclear reaction experiments and the trajectory of ballistic movement in the air need to be analyzed and determined by computer science technology. In addition, the military industry sector can also use computer science and technology to improve the automation level of production management, and the unmanned driving of aircraft and submarines also needs to rely on computer science and technology [3].

4. The Development Trend of Computer Technology in the Internet + Era

4.1 Intelligent

The current computer science and technology are developing in the direction of intelligence. In the process of rapid social and economic development, people's quality of life has been greatly improved, and the development of science and technology has promoted the development of artificial intelligence technology. At present, the development of artificial intelligence technology is relatively fast. In the context of "Internet +", the development and promotion of artificial intelligence technology have achieved remarkable results. Moreover, the development of intelligence will also bring great convenience to social life. For example, the current most widely used form of artificial intelligence technology is wireless communication technology. However, it cannot meet people's various life needs in the application process. In the process of intelligent technology development, the informatization construction of social public facilities is also accelerating. The intelligent development of computer science and technology can not only further promote the development of public undertakings such as education and medical care in my country, but also have a positive significance for improving the level of urban development and people's quality of life [4].

4.2 Precision

In the "Internet +" era, computer science and technology will develop in the direction of precision. Precision mainly refers to improving the accuracy of computers and promoting the development of chip integration technology. Through computer operation, a variety of collaborative processes can be applied to ensure that the computer can better complete various data processing tasks. In this context of development, optical computers will also be further developed. Compared with traditional computers, optical computers have more prominent technical advantages and processing capabilities. Because the traditional computer is affected by its own temperature during long-term operation, it will lead to a decline in computing processing capacity. However, the influence of temperature on optical computers during use is negligible. It can not only run stably under different temperature environments, ensure that the computer performance can be fully utilized, but also can complete different forms of calculation processing tasks delivered by the system. The application advantages of optical computers are obvious. At present, many countries around the world are paying more attention to the research and development of optical computers, increasing capital investment and technical support. In addition, although Western countries have obvious advantages in the development of optical computers, China's computer science and technology have also achieved certain results.

4.3 Universalization

Under the influence of the "Internet +" background, the development space of computer science and technology is relatively good. In the future, computer science and technology will develop in the direction of universalization. Because of the wide range of fields involved in the development of computer science and technology itself, it will have an impact on many fields. The specific application direction of computer science and technology is shown in Figure 1. On this basis, promoting the development of computer science and technology will promote its effective application in various fields. As a high-efficiency application technology, in the future development process, computer science and technology will be more closely related to people's daily life and all aspects of production. People's living standards will also be largely affected by the level of computer science and technology.

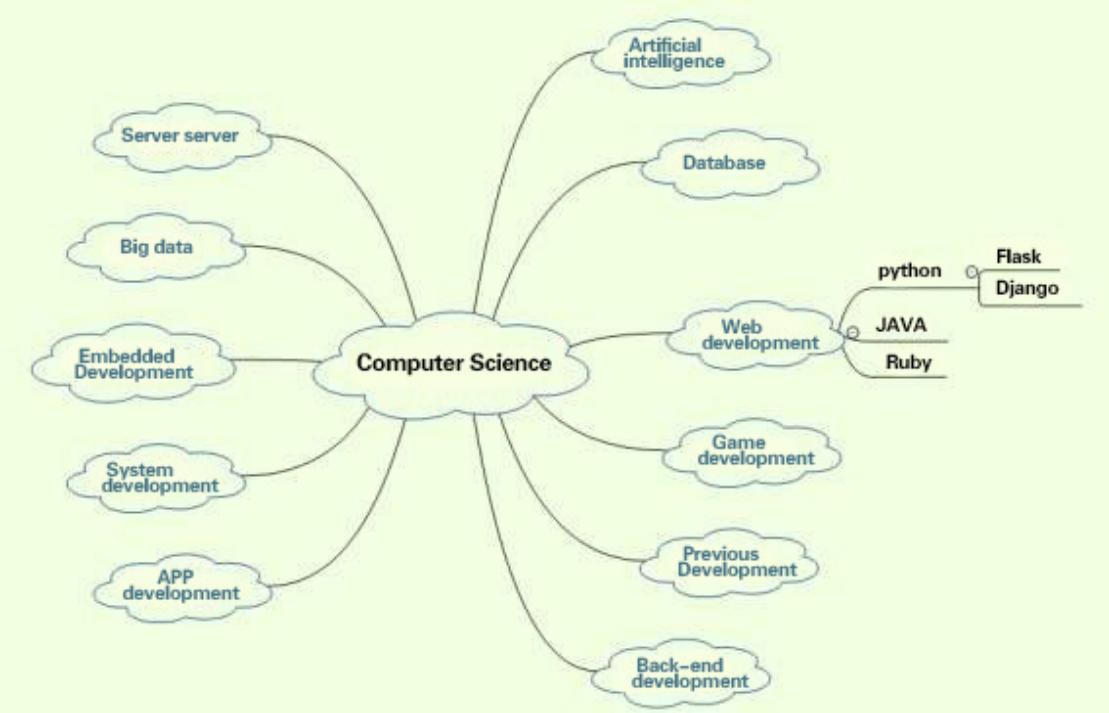

Figure 1 Application Direction of Computer Science and Technology

4.4 Environmental Protection

In the process of continuous social and economic development, China's attention to environmental protection is also increasing. In order to improve the level of environmental protection and create a good ecological environment, China has taken many measures to promote the sustainable and healthy development of society. At present, the concept of green development has been incorporated into the five major development concepts, regardless of which industry must achieve green development in the development process. However, the energy consumption caused by the development of computer science and technology will affect the ecological benefits to a certain extent. Therefore, the relevant personnel must reduce the energy consumption of the computer, so as to improve the sustainable development level of computer science and technology. The use of PC general equipment can solve the problem of computer energy consumption to a certain extent. In addition, when researchers are designing computing architectures, quantum and photon-based computing architectures can also save social energy. As a consequence, the environmental protection of computer science and technology is also one of its main development trends. In order to promote the environmental protection level of computer science and technology, we need to actively train computer science and technology research and development personnel and improve environmental protection technology in the computer field. At the same time, we can also use environmentally friendly materials to design computers to further enhance the environmental benefits of computers [5].

5. Conclusion

All in all, promoting the development of computer science and technology in the context of the "Internet +" era is of positive significance for improving the development level of the entire society. Using the huge advantages of Internet technology to promote the development of computer science and technology can improve people's living standards to a large extent and promote the sustainable development of social economy. In the future social development process, in order to further promote the development of computer science and technology, we need to increase investment in computer science and technology. At the same time, we must promote the development of computer science and

technology in the direction of intelligence, precision, environmental protection, and universalization. Moreover, we should also ensure that it can meet the needs of social development and promote social development and progress.

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