Modern Application of Computer Science and Technology

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Abstract: In the current era of rapid development of science and technology, computer technology has been used in various fields and has become an indispensable part of people's lives. Nowadays, the quality of life has improved significantly, and at the same time, people are pursuing higher and higher goals. In order to meet the ideal living conditions that people are pursuing, relevant computer personnel are also working hard to explore modern applications of computers and technology. The connection makes the computer a symbol of the development of the times. At this stage in China, since computer technology is not yet mature, this article discusses the problems in the modern application of computer science and technology and the methods to solve the existing problems.

Keywords: Computer Science and Technology; Modernization; Application; Method

1. Connotation of Computer Science and Technology

1.1 The status of computers

Today's computer has become an indispensable part of people's lives, and it also occupies an extremely important position in our social development. The first computer in the United States came out and won widespread recognition, making people accept and recognize it. With the popularization of computer technology, the demand for computer talents has also risen greatly, providing many positions in China and laying a solid foundation for the further development of computer technology.

1.2 Computer functions

After computing and its appearance, people were impressed by its powerful functions. Computer science is a system science, it has storage, computing and other systems. Its powerful function greatly improves people's work efficiency, and it can provide convenience in the aspects of data processing, receiving or storing files that we face in our work. In the work, people make mistakes due to negligence in work. Computers help people to avoid these mistakes and improve the accuracy of their work.

2. Problems in the modern application of computer science and technology

2.1 Poor operating ability

The computer is an emerging technology, and with the advent of the information age, the research of computer technology is pushed to a climax. Because of this, the development time of computer technology is relatively short, and China began to apply this technology late, making Chinese computer technology talents relatively insufficient. In recent years, as computer technology has become a popular field in the contemporary era, the number of personnel in the computer industry has increased substantially every year, and what computer technology needs is talents with sufficient experience and knowledge. For some people with weak operational skills, it will be difficult to master computer technology, which will also affect work efficiency. Therefore, the application of computer technology in various fields

is still in its infancy.

2.2 There is no scientific system

So far, China's computer technology is still at the initial stage of development, and China has not yet formed a set of scientific systems in the use of computers. There are many spam websites now who make various excuses for customers to fill in their own information, including name, ID number or bank card number, etc. The information obtained by these websites will be leaked, leading to deposit stolen, fraud and other cases. However, China does not have a complete defense system in this respect, so some criminals are beyond the arm of the law. Because in the process of rapid development of modern society, there are many types of computers, forming an independent and competitive closed system. And because of the influence of interests, this type of competition has gradually become a vicious competition. It is because of this imperfect system that the development of computer technology has been severely hindered.

2.3 Lack of information security assurance system

Because the Internet has gradually matured, the Internet has become more open. However, massive amounts of information are transmitted on the Internet every day, so this information will be in danger of being attacked by hackers, and the attacked information will be lost or leaked. However, China's information security system is not perfect, which prevents online information from being secured, and may lead to the leakage of information, which will cause great harm.

3. Modern application and improvement methods of computer science and technology

3.1 Improve the operation level of technical personnel

Personnel who use computer technology in all walks of life in China should first ensure that the user has the relevant knowledge and skills, and only with rich knowledge and skilled technology can they keep up with the normal training work at the initial stage. When training, attention should paid to different people, and it is necessary to provide different training for computer technicians of operating level, and implement correct, targeted and accurate training to ensure that computer personnel can adapt to the field of computer technology quickly. In addition, in the important operation process of new computer technicians, professional computer technicians should be nearby to guide, which can effectively avoid the huge loss of new computer technicians due to their own ability, and also enable new computer technicians to learn important knowledge and skills, which can also make computer technology more effective in related fields.

3.2 Ensure computer information security

Every coin has two sides, and computers are also a double-edged sword. With the development of the Internet age, people's life enjoyment is increasing, and it also makes people's lives more convenient, such as online appointments, online shopping, etc. However, its accompanying hidden dangers have gradually become prominent. Hackers are one of the major hidden dangers. In order to ensure computer information security and prevent hacker attacks, international professional computer technicians have been working hard to ensure computer information security through the research of preventing hacker intrusion. Even with the protection of international professionals, Internet users should have a sense of security from the collective to the individual, and develop a safe surfing habit, which can effectively avoid any unnecessary risks. The security of computer information is particularly important for enterprises. Therefore, enterprises should pay more attention to the protection of information security. First of all, an enterprise should have its own information security guarantee system. At the same time, the enterprise should increase investment in computer information protection measures, and prepare office personnel, information equipment and funds to prepare a secure computer information system and ensure the information security of the enterprise. Finally, from the perspective of China's government departments, the intensity of the punishment of the law should be increased, and criminals who undermine computer information security should be managed seriously, so that criminals who use the Internet to commit crimes will be punished accordingly and the security of computer network will be protected. It should carry out a sustainable development strategy.

3.3 The development of computer intelligence

Today's society is developing rapidly, science and technology are becoming more and more advanced, and people's lives are becoming more and more convenient. Nowadays, people can understand world affairs through the Internet without going out. The benefits of the Internet age to people are immeasurable, it makes people's lives more convenient, most things only need to be done online. The education provides us with endless knowledge and effectively improves learning efficiency. In work, the network is the most powerful assistant, and it has greatly improved our work efficiency. In the medical field, many mechanical operations are operated by computers, and its operations are more precise, which makes a great contribution to the medical industry. In short, the current network has penetrated into all aspects of people's lives and has become an indispensable part of our lives. Because of this, the computer system in China is gradually improving, and the use of computer technology is closer to internationalization. Moreover, with the rapid development of the Internet age, the number of people and companies related to computer technology has increased, enabling computer intelligence on the road of sustainable development, which also gives people a new platform for understanding the world.

3.4 Increase the control of computer applications

In the future development of computers, it should increase control over computer applications. In some illegal applications, hacker attacks are often accompanied by computer system paralysis, so it is needed to install some anti-virus software on the computer to prevent the computer from being attacked by viruses and hackers. At the same time, it is necessary to have a specific understanding of the common sense of computers in order to ensure the usage of computers is normal and healthy.

4. Conclusion

Today, when the Internet age is becoming more and more popular, network products such as mobile phones and computers are already common products in our lives. They are an indispensable part of our lives and play an important role in our daily lives. They can help people understand the world. , solving problems in work, collecting required information and materials, etc. It has many functions. Due to the rapid development of China's social economy, the scope of computer technology is becoming more and more extensive, and the number of people using it is gradually expanding. When people use this technology, they also begin to care about their own information security, which demands enterprises, collectives and even individuals need to pay attention to information security guarantees. When using computer technology, it is a must to regulate operations, develop good Internet habits, and effectively avoid unnecessary losses. Only in this way can the computer technology realize sustainable development in a healthy way.

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