THE APPLICATION OF AI IN EDUCATION

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Summary. *Artificial intelligence which is known as AI, is the science and engineering of making intelligent machines, especially intelligent computer programs. AI is widely used in many vertical fields such as medical and health, finance, education, security, business and smart home. The text focuses on the current development of Chinese enterprises in AI education field.*

Duolingo, founded in 2011 by Luis von Ahn, a computer scientist at Carnegie Mellon University, aims to "make free education available to everyone in the world". Today, Duolingo provides personalized learning in more than 40 languages to more than 300 million users. Artificial intelligence is the technological foundation to achieve this mission.

The definition of artificial intelligence (which is known as AI) has been constantly updated over the decades. John McCarthy gave the following definition from a paper in 2004 : "It is the science and engineering of building intelligent machines, especially intelligent computer programs. It is relevant to similar tasks using computers to understand human intelligence, but AI need not be limited to biologically observable methods ". This definition is also consistent with the "computing machine and intelligence" proposed by Alan Turing, the father of computer science, in 1950.

Now, in terms of talent pool, China ranks first in the world in both the total number of AI papers and the number of highly cited papers. China is also the second country in the world in the total number of AI talents. In terms of market, China has the second largest number of AI companies in the world. Moreover, China has become the world's largest AI investment and financing country. In terms of application, AI has been applied in many vertical fields such as medical and health, finance, education, security, commerce and smart home. This article focuses on the current development of AI in the field of education of Chinese enterprises.

Among Chinese enterprises, the most mainstream AI products are intelligent adaptive learning platforms, which are mainly represented by New Oriental, TAL and Squirrel AI. Intelligent Adaptive Learning technology is an artificial intelligence education technology that simulates the teacher-to-student one-to-one teaching process and enforces the learning system with the ability of personalized teaching. The technology behind it mainly includes real-time formation line assessment, AI + adaptive teaching system, AI tools, and self-improvement system. The application of intelligent adaptive learning platform in the field of education challenges and subverts the traditional education model. From the goal level, education has changed from the traditional "only score theory" to "education theory". In the past, the only guidance of education was test scores, but the application of AI technology makes students become the center of the education process, and all the education modes, goals and resources are highly matched with students, which allows education practitioners to truly teach students according to their aptitude. From the perspective of education methods, intelligent adaptive learning platform provides personalized solutions for students' specific situations and individual needs. AI makes teaching decisions based on big data, and achieves accurate teaching while increasing educational flexibility. In addition, AI breaks through the information barrier inside the campus and the barrier of information and resource circulation between regions.

Another major application of artificial intelligence in the field of education lies in auxiliary teaching products, which are represented by IFLYTEK, 17zuoye and other companies. Auxiliary teaching products are generated into learning reports through online homework as-

signment and intelligent correction, and the application of image recognition, natural language processing, data mining and other technologies. Through this product, AI connects students, parents, teachers, schools and other educational participants, by breaking down the information barrier between participants. At the same time, assisted instruction products are more objective in intelligent marking. Compared with manual correction, intelligent correction faster, correction results more detailed, more objective. Recommended products and corrects smart + exercises can help teachers to students homework points learning analysis, offering personalized learning analysis report, to offer a whole learning class analysis report, while improves the accuracy of grading, save human resource, save the teachers and parents, school of communication time.

Nowadays, the application of artificial intelligence has become a consensus in China's education industry. The development of education industry shows a trend from off-campus to in-school and from junior middle school to higher education. Initially, after-school tutoring agencies began to use artificial intelligence to reduce teachers' labor costs and build a competitive edge. Under the impact of the epidemic, more and more public schools have started to cooperate with AI companies to develop or use online education platforms based on big data and artificial intelligence to facilitate students' online learning under the epidemic. The initial application of artificial intelligence in China is mostly in the field of K12. For example, Squirrel AI focuses on intelligent personalized tutoring and education in the K12 field, and has opened more than 1,800 offline learning centers across the country. Higher education, and universities in particular, are also beginning to change their attitude towards AI. Professors and students have gradually adapted to online classes, intelligent correction, learning situation analysis and other functions during the epidemic. The online education platform of universities has evolved from a single online course platform in the past to an intelligent learning platform that integrates academic resources, promotes communication between teachers and students, and focuses on teaching students according to their aptitude.

In the future, it can be seen that the development of Chinese education is moving towards an intelligent era. Artificial intelligence saves teachers' precious human resources and improves the efficiency of the whole education process. Most importantly, the promotion of artificial intelligence promotes the fairness of education to a certain extent. Therefore, the development of artificial intelligence in education is extremely important for China, a country with a population of more than 200 million students in school.

THE MEANING OF IMPROVING SWIMMING TECHNIQUES
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Summary. *Swimming, from the first Olympic Games in 1896, has been included in the official Olympic sports. Swimming is not only the foundation of the Olympic competition, but also the old and young salty, healthy popular sport, with many enthusiasts all over the world. With the development of the times, swimming is no longer exclusive to summer, all year round people can experience the joy of swimming in the indoor pool. Learning swimming is really important for us. This test introduces the meaning of improving swimming technology.*

Swimming is a sport with water as the environmental medium, which belongs to the sports of physical ability to lead the competitive competition. The resistance of the human body to overcome in the water is far greater than the land project, so to swim faster in the water, not only to increase the physical reserve, improve the level of human function quality to improve the thrust, but also in the water to control the body posture, have a good technical