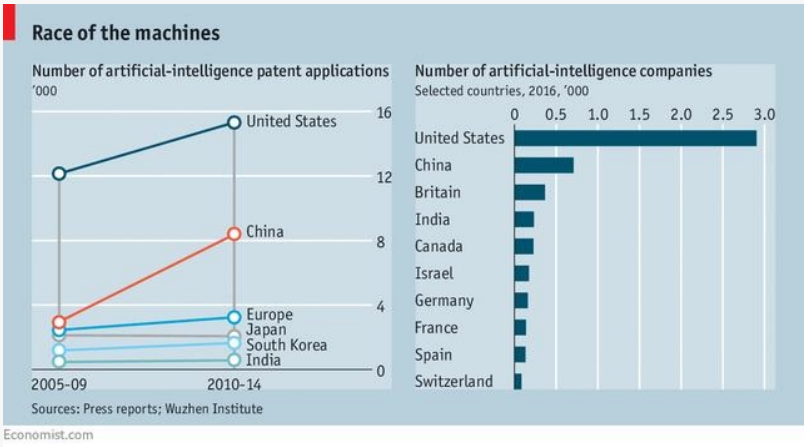
MEGVII / SenseTime Is Outstanding in Visual AI While WIMI Hologram AR Is Leading in AI Stitching Algorithm

LONDON, UNITED KINGDOM, June 25, 2019 /EINPresswire.com/ -- In October 2016, a report of the White House pointed out that the in terms of deep learning of artificial intelligence, related journal articles published in China have surpassed that in the United States. The consulting form Price Water House Coopers (PWC) predicts that the development related to artificial intelligence will drive the growth of global GDP by 1.6 billion U.S. dollars before 2030; it is estimated that nearly half of the financial resources will be accumulated in China. Although the United States still takes a lead in the absolute numbers, the number of artificial intelligence-related patent submitted by Chinese researchers has increased by nearly 200% in recent years.



Entrepreneurs are taking advantage of China's talent and data. Many artificial intelligence companies have only been established for two years, but they are progressing faster than their Western counterparts. As a result, China has already had a batch of unicorns in the visual AI field.

MEGVII is one of the world's first artificial intelligence enterprises that realize the commercialization of face recognition products with the deep learning technology. Since its establishment seven years ago, MEGVII has continuously increased it investment in research and development of artificial intelligence technology and has achieved fruitful results. In addition to continuous increase in research and development investment, MEGVII is also actively practicing the landing of artificial intelligence technology industry. It is understood that up to the present,

MEGVII has realized the landing of products in the filed of face identification by mobile phone, identity authentication for credit industry, suspect tracking of security systems, logistics smart robot warehouses and unmanned stores in the new retail industry. It is worth mentioning that MEGVII is also actively practicing public service, contribute to the society and undertake more corporate social responsibilities.

WIMI Hologram AR focuses on the computer vision holographic cloud service. It is one of the integrated entities of holographic cloud industry with the largest scale, the most complete industry chain and the best performance, aiming at becoming a holographic cloud platform with the most potential and most international influence.

WIMI Hologram AR covers many links in the holographic AR technologies such as holographic computer vision AI synthesis, holographic visual presentation, holographic interactive software development, holographic AR online and offline advertising launch, holographic ARSDK payment, 5G holographic communication software development, holographic face recognition development and holographic AI face change development. With the one-stop service capability, it has grown into one of the largest integrated technology solution providers of holographic cloud in China.

WIMI Hologram AR has made major breakthroughs and leap-frog development in the field of holographic applications such as advertising, entertainment, education and 5G communication. Aiming at the in-depth R&D and market application of al links of holographic 3D computer vision, including vision collection, AI synthesis, transmission, presentation and application, it is committed to establishing a scalable and open service platform, building a bridge between the application of holographic technology and the presentation of holographic computer vision, realizing the presentation of the application of holographic computer vision in different scenarios and promoting the leap-forward development of the industry, in order to realize the vision of WIMI Hologram AR, "to become the creator of China's holographic ecology".

SenseTime is an artificial intelligence company specializing in the computer vision and deep learning technology in China. SenseTime completed several rounds of financing from 2014 to 2018, with a financing amount of more than 2 billion U.S. dollars. Relying on the research and application of computer vision and deep learning technology, SenseTime has explored the unique business model of"1 (basic research) + 1 (product and solution) + X (industry)". It is understood that SenseTime has landed in various scenarios in more than 18 industries in 2018, such as the smart phone, smart city, smart car, medical care, retail, education, interactive entertainment, etc. Taking mobile phone as an example, Sense provides the face identification, intelligent beauty, intelligent filter and other image technologies for mobile phone brands including OPPO, vivo, MIUI and Huawei, making photos taken by the mobile phone look better and the interaction become interesting.

Why does China have particularly favorable natural conditions, it should consider the investment required for artificial intelligence. China has two rich basic elements - computing power and

capital. According to the consulting firm Gartner, the cloud computing market has grown by more than 30% in recent years and will continue to grow. According to statistics from the think tank Wuzhen-institute, China's artificial intelligence companies received capitals of 2.6 billion U.S. dollars in 2012-2016, which are lower than 17.9 billion U.S. dollars of investment for their U.S. counterparts, but are still growing fast overall.

Algorithm development is an iterative and well-polished process. The biggest difference between industrial circles and academic circles is that the academic circles hope to create more algorithms, pursue more novelty and creativity, while the industrial circles pursue the function, performance and stability indicators of the system to produce the best system based on business requirements and resource constraints without the requirement of inventing the most novel algorithm. The algorithm improvements in the industry circle include many dimensions, such as how data is processed, the data scale and source, parameter setting, model structure and also loss function design, model acceleration algorithm, etc. Each factor may have a great influence on the final result. It is also very important to solve problems from a system perspective, such as designing a new system processing process, and defining problems as detection problems or identification problems.

For so many algorithm models, if each model needs to be iteratively upgraded and support different versions of different hardware platforms, how to continuously polish the core algorithm is a big challenge under the constraints of R&D personnel and training hardware resources. In the traditional algorithm development model, algorithm engineers often bring up data annotation tasks which will be completed by the data annotator. However, algorithm engineers need to care about how to develop annotation tools, how to train annotators, how to convert the data format, and how to purify the data annotated, and finally manually train the model on a physical machine.

According to the report of Singapore's "Union Morning Paper", Schwartzman, president of Blackstone Group, pointed out that China's artificial intelligence technology has experienced explosive growth. He said that when he went to China, he saw new companied that are being constantly established, and the number of companies developing to the artificial intelligence field is growing rapidly. It is reported that China has invested a huge government funds in the research and development of artificial intelligence. Luo Haozhi, PWC's global chairman, believes that if US corporate presidents, education and government no longer strengthen themselves in this area, then the United States is likely to start falling behind.

The Chinese artificial intelligence industry started relatively late, but it is in a period of progress in the aspect of infrastructure such as technology research. The core of artificial intelligence is massive data. China has a large population base, rapidly developing mobile Internet, and huge data resource advantage. Therefore, the rise of artificial intelligence is a rare opportunity for China, and it has opened the market door to China's Ai technology companies.

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