AlphaGo

Go is considered much more difficult for computers to win than other games such as chess because of its much larger branching factor. Almost two decades[*ˈdek.eɪdz*] after IBM’s computer Deep Blue beat world chess champion Garry Kasparov in the 1997 match, the strongest Go programs using artificial intelligence techniques only reach about amateur[*ˈæmətər*] 5-dan level and still could not beat a professional Go player without a handicap. But from 2014 to 2017, AlphaGo shows its strong learning capacity and defeated[*dɪ'fiːtɪd*] professional Go players one after another. Such as the European Go champion Fan Hui. Lee Sedol who is one of the best Go player in South Korean[kəˈriən] and Ke Jie. Based on it, we believe that AI can take more responsibility than human in such complex computing domains.

Self-driving car

Research shows that about 94% of traffic accidents are caused by human error, and more than 1 million people die every year. Unfortunately, the number of casualties[*ˈkæʒjuəltiz*] from traffic accidents caused by driver’s distraction[*dɪˈstrækʃn*] are continually increasing. The good news is that with the emergence of some new partially automated vehicles, especially those equipped with collision[*kəˈlɪʒn*] warning systems, some traffic accidents are avoided. With the revolution in driverless cars, taxi services, shared cars and public transport will become faster and cheaper. As traffic congestion[*kənˈdʒestʃən*] decreases and navigation efficiency improves, vehicles will be able to reach their destination faster. Therefor, the cost of these services is expected to decrease in maintenance, natural gas and labor demand. As a result, the traditional taxi can be replaced by self-driving cars.

AI customer service: AliMe

On July 14th of 2015, Alibaba published and intelligent conversational robot, AliMe which orientated[*ˈɔ:riənteɪtid*] consumer personal shopping assistant. In 2017, Alibaba launched a business version of the story honey, enterprise version of cloud honey, hotline honey and other new members. According to the official data from store honey. Store honey authorized to open the number of business has reach 600,000 since 2016 double 11 internal testing. On 2017 double-11-day, daily conversation volume of the reboot exceeds 100 million and the number of people received by the reboot accounts for 12% of the users received in the whole network, and GMV consultation accounts for more than 15%. It has to be said that reboots are far more competitive than humans in simple repetitive jobs