AI’s Exercises:

Name : Nguyễn Hải Hoàng

ID :20146004

Questions :

1. There are different interpretations of artificial intelligence in different contexts. Please elaborate on the artificial intelligence in your eyes.

2. Artificial intelligence, machine learning and deep learning are three concepts often mentioned together. What is the relationship between them? What are the similarities and differences between the three terms?

3. After reading the artificial intelligence application scenarios in this chapter, please describe in detail a field of AI application and its scenarios in real life based on your own life experience.

4. Which chip is for deep neural networks and Ascend AI processors. Please brief these four major modules.

5. Based on your current knowledge and understanding, please elaborate on the development trends of artificial intelligence in the future in your view.

Answer :

1. The meaning of AI(artificial intelligence) in my opinion is the simulation of human intelligence that give the machines the ability to act like human, include understanding natural language , recognizing objects, and patterns , and making decision based on data .Its has the potential to change the world in many ways, such as improving health care, reducing environment impact, increasing productivity ,…
2. AI, machine learning are all related to build intelligent system. They all require large amounts of data to train their algorithms , model,….But AI í the broadest term .Machine learning í a subset of AI that focuses on using algorithms to automatically learn from data and make prediction and decisions based on that learning. Deep learning is a subset of Machine Learning that use artificial neural networks with multiple layers to learn complex features on data
3. One field of AI application that i interested in is computer vision .Firstly it has many applications , such as object detection , facial recognition, object detection, autonomous driving . In my daily life , I encounter that features in many security systems, social media filters, and even in my smartphone camera. For example I can use AI feature on taking picture , video,… in my phone give me cooler , prettier result , the camera also have facial recognition to unclock my phone , …Computer vision has the potential to develop many industries , including healthcare,manufacturing,…
4. The chip for deep neural networks and Ascend AI processors are : NVIDIA Tesla V100, NVIDIA Tensor Core GPU. And as for Ascend AI processors one example is the Ascend 910, which is designed by Huawei ,another example is Ascend 310

The four major modules of Ascend AI processor core include -AI processor core, the CPU cluster, cache subsystem. High-speed interconnect.

1. In my view, the future of artificial intelligence will be develop newhardware and computing architectures that can support to growing demand for AI applications. They will update the Humenoid robot that are similar to human and I think AI will be develop their own emotions in the future. On the other hand. On the other hand AI systems will be focused in develop to perform increasingly complex task across a wide range of industries, including healthcare, finance and transportation