

Task 2

There has recently been a flood of AI systems released into the web.

ChatGPT, Bing, Cortana, Alexa and Siri to name a few.

There are several ways each of these works with NLP and each has its own advantage and disadvantage.

Cortana, Alexa and Siri are more of an assistant than AI but they have use voice recognition, and have for some time. This is quite a feat as they need to understand different languages, different speech patterns and even speech impediments.

Returning with audible answers and performing operations that have been requested by the user.

Although very useful, there is no decision making or conversation that can be had.

They work uniformly as Input to output.

ChatGPT and Bing are both more complex and a lot closer to true AI systems.

ChatGPT is currently a text only input system. It will compare through NLP to its vast learnt data set and produce its closest response. This system is very complicated but, in my opinion, feels a little "clunky", its speech patterns feel like a digital output signal and human speech is analog.

Bing is Microsoft's AI powered assistant.

It can take in text and has speech recognition (which I haven't tried).

With Bing you can have conversations like with ChatGPT, but it is still part of the Bing search engine and appears to be just enhancing the search function Bing.

To be a true AI they must pass the Turing test.

The Turing test was created by Alan Turing in 1950. This test is for a human to have a conversation with both the AI and another human, then the person must determine which is the AI and which is the other person.

That being said, there are discussions about proposing new tests due to the complex nature, abilities and limitations of AI.