

Why AI is Important:

One of the many reasons is it could do our homework for us when we need help.

Input:

write me an essay about Al and large language

Output:



Tible: The Rise of Antificial Intelligence and Large Larguage Models betroduction:

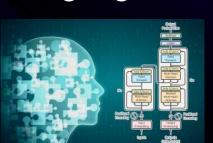
Antificial Intelligence ARI has emerged as a modification by technology, teredorming various beducts lead intelligence are allowed to the antificial intelligence are allowed to the antificial intelligence and the antificial intelligence and the artificial intelligence and the artificial intelligence and antificial intelligence and antificial intelligence and and developed and artificial intelligence and antificial intelligence antificial intellig

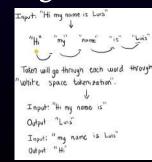
Machine Learning and AI:



Machine learning is when artificial intelligence gives the computer the ability to learn without being programmed. It is used in order to focus on the data and algorithms in order to make it have better accuracy.

Language Model Background:



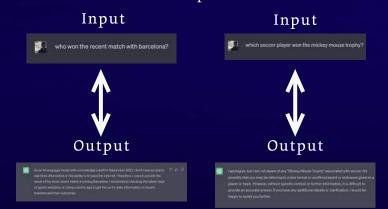


Machine learning is when artificial intelligence gives the computer the ability to learn without being programmed. It is used in order to focus on the data and algorithms in order to make it have better accuracy. There are also "tokens", these tokens are able to process the input of a user and predict a response.

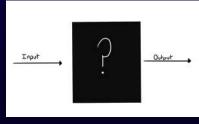
A BEGINNER'S GUIDE TO LARGE LANGUAGE MODELS

The Hallucination Problem:

Hallucinations can occur when an AI gives us a false response.



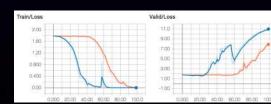
Model's Are Blackbox Processes?:



In a black box we don't know how something works. However, we just know that it works. This is the same thing that happens with Artificial Intelligence, we know that it can give us an input and we'll get something back. One of the few ways we we can try to understand these models is by using prompt engineering. We can give these models a prompt and see the response we can get back with and without the prompt.

GFORCE HTY

GPUs:



GPUs are essential for large language models due to their optimized performance for training AI models. Being able to have access to multiple GPUs will make it easier and faster to train models. The model shows that the orange line (single model) is having a more challenging time than the blue line (multiple GPUs). However, GPUs are very expensive and being able to buy multiple is a crazy amount.

By: Luis Ramirez (Mentor) Dr. Daniel Huang

Prompt Engineering (ChatGPT):

Video Game Example:

Soccer Example:

Simple Prompt: Complex Prompt: Simple Prompt: Complex Prompt:







Prompt Engineering (Google Bard):

Video Game Example:

Soccer Example:







Conclusion:



In conclusion, we are starting to see large language models appear more and more. If we are able to understand how to use them effectively whether it would be with prompt engineering, in order for us to prevent hallucinations. However, there is still a lot more to research into these models in order to get a deeper understanding of what is going on.

References:

- https://arxiv.org/abs/2201.11903
- https://www.alignmentforum.org/s/yivyHaCAmMJ3CqSyj/p/LbrPTJ4fmABEdEnLf

- https://arxiv.org/abs/2201.02177
- https://arxiv.org/pdf/2212.07919v1.pdf