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AI, or Artificial Intelligence, encompasses the development of computer systems that emulate human intelligence—a concept truly captivating. Its beginnings can be traced back to the early 20th century. Back in 1956 the term “Artificial Intelligence” was coined during a Darthmouth College Conference by John McCarthy who was one of the leading researchers at the time. The purpose of the conference was to discuss the possibilities of creating a machine that could simulate human intelligence. Other researchers present at the event included Marvin Minsky, Nathaiel Rochester, Claude Shannon, and Ray Shonkoff. In the subsequent years after the Darthmouth workshop was held, various projects and programs were developed. Some of them included the General Problem Solver, ELIZA, and SHRDLU.

Over the years, Artificial intelligence has had a transformative impact on our world. From voice assistants to enhancing medical diagnoses, artificial intelligence has become a versatile invention. It is capable of accessing data at great speeds to learn, adapt and complete complex tasks. In this project, I crafted a website using three distinct AI tools to thoroughly assess their capabilities, exploring both their potential and limitations. The three AI models selected for this experiment are ChatGPT, Stable Diffusion, and Pika.

Chat GBT, is an artificial intelligence model created and developed by Open AI, an artificial intelligence research laboratory. Some of its founding members include Elon Musk, Sam Altman, Greg Brockman, Wojciech Zaremba, and John Schulman. Their goal of establishing this organization was to help advance artificial intelligence in a safe and beneficial manner. Musk departed from the company in 2018 to take care of engineering problems & manufacturing at Tesla, leaving Sam Altman to take over the company. Open Ai has since became well known for its cutting-edge work in AI research and development. Chat GBT turbo was released by Open AI around 2023, followed by its earlier predecessor models.

The Planetary Clock

Purposes:

* To test the abilities and limits of Chat GPT (Achieved)
* To create an animated artwork to display on the website with a secondary function

Primary Functions:

* To display an analog clock with the current time

Former Functions:

* To display the current time zone
* To display a digital clock with the current time

This mini gadget was designed by Chat GPT through the use of several different prompts. I started with the idea of creating unique artwork for the website. I asked the AI to assist me in creating one, and the first test was a success. Encouraged by this, I decided to give the AI more specific instructions, requesting it to help me 'create an animated artwork that is both unique and complex.' I repeated this prompt twice and received two interesting designs.

I then inquired the AI model if the two designs could be combined into one. Although the AI was able to merge them, it didn't quite match my desired look. Trying the same prompt in a separate chat, the AI expressed a desire to help me brainstorm ideas. When I suggested creating code, it proposed, 'How about a mesmerizing night sky filled with animated constellations? We can add shooting stars, planets, and maybe even a subtle nebula effect.' It even asked if I wanted to add specific elements or be surprised. Intrigued, I agreed to the surprise, and the AI promised to deliver the finished version when ready.

Due to the AI's prompt-based nature, it wouldn't respond unless given a prompt. In attempts to obtain the code, I asked if the AI could provide me with the completed code. In response, it initially provided two templates. After requesting a completed version, I received a detailed artwork with twinkling stars and shooting stars..

Not content to stop there, I asked the AI to create a planetary model. Initially featuring only three planets, I sought more detail by requesting additional planets and orbital lines. After five prompts, I achieved the desired model. Still wanting to add a unique touch, I asked if the AI could insert an animated clock in the center displaying real-time and the time zone's location. After three separate tries, I successfully obtained the desired sketch. However, exporting the sketch and integrating the gadget into the website posed challenges. I submitted a prompt to ChatGPT to convert the JavaScript code into HTML code. While the translation was partially successful, with the AI removing many details, I had to repeat the process of redesigning the clock from a partially working foundation. Eventually, I was able to fix the analog and digital clock. However, I wasn't able to re-add the remaining clock features without disrupting other parts, which proved difficult. In the end, I decided to keep the sketch as it is.

The concept of Artificial intelligence always fascinated me when I was younger. Many of the kids shows and Sci Fi movies that I used to watch depicted AI as a conscious robot, brought to life through the use of advanced technologies and could feel emotions the same way as humans. The matrix, one of my favorite Sci Films depicted Artificial intelligence are sentient machines developed by humans. But it gained a sentient conscience once their power scource, the sun was blocked by human pollution. It resorted to enslaving their creators to use as their power scource. The Ai in the matrix is considered to be highly intelligent. They created a virtual simulation called the matrix to deceive and control the human population, by trapping the minds of the people inside this virtual simulation while their real bodies are attached to pods. There are many interpretations of how the concept of AI worked. Mainly they were portrayed as robotic beings that were created by humans, that had a consience of their own and can feel emotions. Even though the interpretations AI of sci fi films differ from its real world counterpart, AI is a fascinating invention. Many of which use algorithms to help do different tasks that it has been assigned to complete. For this project I will be testing Artificial intelligence has had a transformative impact on our world. From voice assistants to enhancing medical diagnoses, artificial intelligence has become a versatile invention. It is capable of accessing data at great speeds to learn, adapt and complete complex tasks. In this project, I crafted a website using three distinct AI tools to thoroughly assess their capabilities, exploring both their potential and limitations. The three AI models selected for this experiment are ChatGPT, Stable Diffusion, and Pika.

The concept of artificial intelligence always fascinated me when I was younger. Many of the kids' shows and sci-fi movies I used to watch depicted AI as conscious robots, brought to life through advanced technologies and capable of feeling emotions just like humans. 'The Matrix,' one of my favorite sci-fi films, portrayed artificial intelligence as sentient machines developed by humans. However, they gained sentience when their power source, the sun, was blocked by human pollution. Consequently, they resorted to enslaving their creators to use them as their power source.

In 'The Matrix,' AI is considered highly intelligent. They created a virtual simulation called the Matrix to deceive and control the human population, trapping people's minds inside this virtual simulation while their real bodies are attached to pods. Various interpretations exist regarding how the concept of AI works. Primarily, they were portrayed as robotic beings created by humans with a conscience of their own, capable of feeling emotions.

Even though the interpretations of AI in sci-fi films differ from its real-world counterpart, AI remains a fascinating invention. Many models of AI use algorithms to perform various tasks assigned to them. For this project, I will be testing artificial intelligence, which has had a transformative impact on our world. From voice assistants to enhancing medical diagnoses, artificial intelligence has become a versatile invention, capable of accessing data at great speeds to learn, adapt, and complete complex tasks.

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Stable Diffusion is a text to image AI model created by Emad Mostaque, the founder of Stability AI, along with the companies, Runway ML, LAION, EleutherAI and LMU Munich which helped collaborate with the project. Stable diffusion is a text to image generator, which allows users to enter their prompts into a text box, of what they want the AI to draw. The AI would then use the data that has been given to it during its training to draw the things that the user has imputed into the system.

Stable Diffusion is a text-to-image AI model created by Emad Mostaque, the founder of Stability AI, in collaboration with companies such as Runway ML, LAION, EleutherAI, and LMU Munich. Stable Diffusion serves as a text-to-image generator, allowing users to input their prompts into a text box to instruct the AI on what to draw. The AI utilizes the data provided during its training to render images based on the user's inputs. For this portion of the website experiment, I decided to do some test prompts to test the AI’s capacity to generate images accurately to the users text prompt. I wanted to see how accurate the AI is at doing its task. So I started off with using the caracters from marvel to test it. I decided to ask the AI to help me draw the marvel characters in swapped roles of the DC characters. Some examples of this include “Tony Stark as Batman”, “Bruce Banner Hulk as Superman”, “Black Widow as Wonder Women”.

For this part of the project, I have asked chat gbt to help me create a website template for me to work on. The main goal of this experiment is to rely on artificial intelligence to help with the designs and structure of the website. I wanted to experiment how far I can go to test chat gbt’s abilities to process information. I did a ten question speed interview with the ai. For those who are interested click here.

>For this phase of the project, I've enlisted the support of ChatGPT to craft a website template as well as helping me create animated useful artworks that could decorate my website. The overarching objective is to harness the capabilities of artificial intelligence in shaping the design and structure of the website. I am keen to explore the extent of ChatGPT's information processing abilities. A brief ten-question speed interview with the AI has been conducted. Those interested can find more details by clicking here

A majority of the images took about 5 minutes to generate. The fastest image taking up to 3 minutes. The speed at which the image generates at depends on the prompt of what the user enters and how detailed the prompt is and how detailed the picture is. It can also depend on the amount of people who are using the ai model. In the past, If too much people are using the ai, then the image generation could take longer. Don’t know if it is the same case now. The Ai also has its own limitations. Being only able to generate images within its own frame work of its training data. Stable diffusion is unable to generate images it has not seen before.

ChatGPT is a highly useful tool for obtaining information and assistance across various topics. However, the current version of this AI model used in the experiment for the project cannot incorporate new information beyond its training date. Content creators can leverage ChatGPT to enhance content quality and facilitate quicker access to information, saving time.

Chat GBT is a really useful tool in terms of helping you figure out information as well as assisting you in various topics. However, the ai model itself cannot receive new information that is past its training date. Instead of updating, The Ai has several newer models that are currently available to use with the most up to date information. Chat GBT can be used by content creators to help them improve their content quality as well as helping people access information quicker and timesaving. The ai has many opportunities to grow by learning from the prompts it receives from the user, allowing it to correct its mistakes or to readjust its information to make it more accurate. However the Ai does have its own flaws such as occasionally making mistakes on its answers, and producing texts that sound very convincing but are actually wrong. They don’t always satisfy the search intent of the user, as demonstrated in the past two html experements. Both of the animated artworks that were produced from chat gbt was limited due to the AI’s inability to fully comprehends the users intent in the text. It is also not recommended to use chat GBT to fully check your work since many schools have developed tools to sniff out texts generated by any GBT tool. Overall, it is a good tool if it is used in moderation. It is not recommended to fully depend on this AI to accomplish your work.

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After getting some pretty good results the first few prompts, about the marvel and dc character swap for the ai I wanted to test out more different concepts. This time I wanted to bring a few crossover ideas to life using stable diffusion

The speed at which the image generates depends on the user's prompt and its level of detail. The first 6 images took approximately around 5 minutes to generate while the second half took less time Additionally, the overall speed can be influenced by the number of people using the AI model. In the past, if too many people were using the AI, image generation could take longer. I'm not sure if the same is still the case. The AI also has its limitations, being able to generate images only within the framework of its training data. Stable diffusion is unable to generate images it has not seen before

After getting the ai to help me generate and bring many of my crossover ideas to life I was very happy that it looked really well. The test to see if the ai could render images more accurately to what the user wants. I wanted to try out one more test to see how well it can draw real people in bizarre sinareos. So idecided to do one final test to try out the ais capabilities by using the same prompt, but just swapping out the names of the people I wanted the ai to draw.

In a nutshellon ai in general, I feel like it is a very fascinating and useful invention. Testing both these models have really opend my eyes and have allowed me to see their growing potential. I learned that even though these two different ai models focus on two distint tasks tasks, they are capable of accomplishing and creating great things using the information they were provided with. Even though they have a few of their flaws. What I have learned is that sometimes it is not recommended to fully depend on a AI tool to help you complete your work. What I have learned is that an AI can not fully comprehend what a persons intent in their propmpts. They occasionally make mistakes. It is up to the user who is using the ai to direct the aI to accurately fulfilling their prompts. I also learned that using a ai to fully check your writing grammar is not always the best idea. It is a good way to learn different writing styles. However it can be considered as plagiarism, if the corrected writing from chat gbt is used to submit an assignment since chat gbt is writing for you. When used in moderation, ai can help us improve content quality as well as revolutionize and change our world.it is constantly growing to as it learns from the various tasks it is assigned to complete, making its possibilities endless. Cant wait what ai has to offer us in the future.

In a nutshell, my perspective on AI is one of fascination and recognition of its incredible utility. While these two AI models are designed for distinct tasks, they demonstrate the capacity to achieve remarkable feats within their training data, notwithstanding a few inherent flaws. I've come to realize that relying entirely on an AI tool for task completion is not always advisable. There are instances when it struggles to fully comprehend a user's intent in prompts, leading to potential errors. It falls upon the user to adeptly guide the AI in accurately fulfilling their prompts. When employed judiciously, AI harbors the potential to revolutionize and reshape our world. Its ceaseless evolution, learning from a myriad of tasks, renders its possibilities boundless. I am eagerly anticipating the future offerings that AI holds for us

[Presidents name] as a bulky muscular Chad in swimming shorts

Yes I know right, the last four images totally caught me off guard. I never knew how good our founding fathers looked as a fitness model. I actually got carried away while having too much fun in this particular section. After testing out different prompts on various concepts with various characters, movies , and people in stable diffusion, that stable diffusion has many possibilities to bring different ideas to life. The only limitation being that it can only use images within its training data to generate artwork. The ai is relatively new and requires a lot of high quality of iterations to draw a complex and detailed output. The rate and speed at which Stable diffusion can generate images can fluctuate depending on the users prompt or different factors. In the past, the rate at which stable diffusion generates images was affected by the amount of users using the tool. Images could take longer to generate if there was too much Internet traffic, as well as occasional crashing. It is unknown weather this issue has been resolved at the moment. Over all Stable diffusion is a relatively new tools. It is prone to have bugs here and there as well has having limitations. However it is constantly growing and it is capable of creating complex and detailed images.

For those who are interested, here is the structure setup and components that I used for this website:

Chat GBT was used for the majority of this website. All of the animated artworks that are used for this site are created using various different prompts and concepts. I haven’t touched html for a while so I needed the AI’s assistance to help me generate a simple template to display my information. In the process of putting the website together I started to remember how to do it. For a majority of the information and texts in the website, I decided to write them in a way that was grammerly incorrect. I had the ai check on my grammar as well as helping me improve on the sentences that I have created. The rest of the images used to decorate this site was generated by Stable Diffusion. The site is currently being hosted on a repository on github. For those who want to check out the repository, feel free to click the link below. Without further ado, lets deep dive into the world of ai.

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