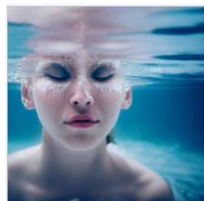


1. The Problem

- With AI advancing exponentially in the past few years, the direction to use AI has gone in the direction of Art and Literature.
- With tools like Midjourney, DALL-E 2, Stable Diffusion, and ChatGPT, Art and works of literature are available and even well generated with the right prompts.
- Since these tools rely on existing works that are scrapped from across the interne, it led to the issue of copyright and plagiarism.



An image generated by DALL-E 2 based on the text prompt "1960's art of cow getting abducted by UFO in midwest"



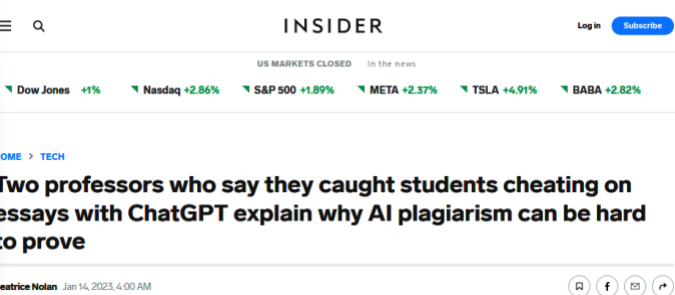
Images made with Stable Diffusion

2. Target

It is planned to be achieved by the end of the year or early next year to create a website that will host a tool that counteracts AI generated content. It will be a sort of "counter-AI" where it will scrap any AI generated content and detect recurring patterns in art or in writing. The user will submit into the tool a file, whether it is a picture or document, and it will output whether or not the file has been created by an AI tool, is AI assisted, or neither. The tool will be open source and will support updates with the help of the community and it will adapt to surging trends in uses of AI that involve issues in copyright and abused for plagiarism.

3. Causes

- Many people dream of becoming an artist, but do not take the time it takes to hone skills, so tools like Midjourney and DALL-E 2 helps skip the entire process of making art.
- Although these tools can be used as inspiration for artists, they are clearly made to replace them as, with the right prompts, these tools can make remarkable pieces of art.
- In the case of ChatGTP, it aids in replacing writers as this tool is capable of making entire articles that barely differentiate from actual articles from websites like BuzzFeed and Kotaku.
- There has even been a case where ChatGPT was used to cheat on an essay but was caught by 2 professors who admitted that it is hard to prove it was made by AI without a confession.



4. Countermeasures

- The tool will scrape AI generated images and text posted across the internet and will analyze "red flags" to be able to identify said images.
- It will attempt to identify the prompts used to generate the content and output it to the user.
- AI content submitted by user will help improve the AI to adapt to more subtle red flags in content.
- With the tool being open source, community support will help it adapt and keep it updated for when these tools eventually get better with time.
- A browser extension that will detect AI generated images in real time.

5. Evaluate

- This project's success will be determined by factors such as continued growth of the application as more users use the tool to help us accurately identify AI generated content.
- However the project will fail if the number of users plummet or stops getting support from the community or the team is not able to continue support the project.
- Since the main issue is to identify content that is nearly identical to content made by people, it is safe to say that the root cause is eliminated for the time being.

6. Act to Standarize

- The success of the project will be maintained by increased promotion and development of the app's UI and ease of use. This will make it more accessible for everyone: from enthusiasts to the average person.
- There will also be a section for feedback to help improve on the app and a donation section for additional funding.
- By the end of this project, the team will have acquired new and improved skills in programming languages, web apps, browser extension development, AI and framework usage skills. They will also have invaluable experience in designing, and development of algorithms as well as launching a "product" to the public and private sector.
- The skills and experience gained from this will without a doubt be applied for future advanced course projects, but also be valuable for development of future personal and professional projects.