
It's the ‘useCase’ , not the ‘Technology’

J'mari Wyatt
Author/Creator

With
Sage & CeSIA & CivAI & Apart Research

Abstract

Technology, including artificial intelligence (AI), is inherently neutral; its impact depends on how it's utilized.

The examples illustrate that AI technologies can be double-edged swords. While they offer significant benefits and innovations, they also present risks when misused. The responsibility lies with developers, policymakers, and users to ensure these technologies are employed ethically and responsibly, maximizing their potential for good while mitigating potential harm.

Keywords: ai, technology, security

1. Introduction

Technology, including artificial intelligence (AI), is inherently neutral; its impact depends on how it's utilized. This can be demonstrated through three AI applications:

1. Computer Vision:
 - Positive: Enhances security in sensitive areas like server rooms by identifying authorized personnel and potential threats.
 - Negative: Can be misused for widespread surveillance, infringing on privacy rights or aiding malicious actors.
2. Website Generation:
 - Positive: Simplifies website creation, making it accessible to a broader audience.

- Negative: Facilitates the rapid production of convincing phishing websites, potentially increasing cyber fraud.

3. Generative Art:

- Positive: Empowers artists by streamlining creative processes and expanding artistic possibilities.
- Negative: Enables the creation of deepfakes, potentially violating intellectual property rights and generating abusive content.

2. Overview

My projects had one goal: To show that AI Technology is a tool at the end of the day, therefore, it should be seen as such, but it needs guidelines so that it isn't either abused or abusive.

Some projects require code, but most don't, to show how available most of the technology already is.

3. Code

The coded parts that I did use myself, were built on top of open source software: supervision (ai vision), Yolo v8 (a dataset), and python. The rest was using software that is readily available, and mostly built off of api and open source technology.

4. Discussion and Conclusion

In conclusion, the machine is a mirror of its creator and their wildest dreams. It does what you command, train, teach, and allow it to do. Being new to the AI space, if more time was granted, there would be more research and examples on projects that were objectively only “good” or “bad”.

I do push each of us to explore the idea that technology isn't bad, neither are people, but curious minds do exist, and boundaries must be tested.

5. Appendix

Computer Vision Sources:

SuperVision (open source project) - <https://github.com/roboflow/supervision>

Yolo V8 (dataset) - <https://yolov8.com/>

Facebook Dataset and inference - <https://github.com/facebookresearch/segment-anything-2>

Website Generation Sources:

Generate a website (vercel signup required) - <https://v0.dev/>

AI Website Generator (free 3 day trial) - <https://softgen.ai>

AI Generated Website component features (free signup) - <https://webflow.com>

AI Generated Website Page Creator features (free signup) - <https://framer.com/>

Generative AI Sources:

Text-to-image generation (signup required) - <https://firefly.adobe.com>

Text-to-image generation & Text-to-video generation - <https://midjourney.com>

Generative Video (subscription required) - <https://runwayml.com/>

Deepfake sandbox - <https://deepfake.civai.org/>