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ID: 19692

CS589- Special Topics: Generative AI & Prompt Engineering

Date: 08/02/2024

Week 12 Homework Q12 => Generate a video

https://hc.labnet.sfbu.edu/~henry/sfbu/course/generative_ai/multimodal/slide/exercise_multimodal.htmlLinks to an external site.

Video-Project-Contest

Theme: Earth's water dries up to empower AI chips, transforming Antarctica into a landscape of AI dunes.

Plot: AI chips are blown to pieces by the underground Antarctica power.
Blue whale haunting.

URL

- **YouTube Video Link:** https://youtu.be/_FKqoMHJUn0
- **GitHub Repository:** <https://github.com/19692yq/Video-Project-Contest-.git>

Tools:

1. ChatGPT4o to optimize and refine prompts and images.
2. Haiper.ai to convert images to video.
3. Kapwing.com to edit video.
4. Google to search background music.
5. Upload video recording on YouTube
6. GitHub to store the project, report, Readme file.

Project Overview

This project utilizes various online AI tools to create a video highlighting the risks of over-developing AI technologies and how they endanger the living environment.

Steps:

1. Generate a idea.
2. Create an initial prompt, and use ChatGPT4o to optimize the prompt and generate video scripts
3. Generate and optimize images using ChatGPT4o
4. Convert images to video in Haiper.ai. Add prompt and features to generate an 8-second video.
5. Edit video in Kapwing.com. Add prompts and features to generate subtitles and background music.
6. Generate process report in PDF format.
7. Create a new respository in Github, complete Readme, and upload the report.

Readme.md

Video-Project-Contest- / README.md 

 **19692yq** Update README.md

Preview Code Blame 30 lines (25 loc) · 1.33 KB  Code 55% faster with GitHub Copilot

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ChatGPT 4o (create video script and image)

Initial Prompt:

Please create a 5 second video script with sound system: 10 million years later, South Pole cover with ai chips. water become the mirage. theme: making AI chips dry out the earth's water. background sound: sandstorm.

Please generate an image.



Video Script: "Desert of AI"

[Scene opens with a sweeping view of the South Pole, now a desert at night. The landscape is covered with vast stretches of sand dunes and scattered AI chips.]

Background Sound: The haunting sound of a sandstorm whistling through the night.

Narrator (somber, echoing voice-over): "Ten million years later..."

[Camera quickly zooms in to show AI chips sand sliding down the dunes, creating a surreal and haunting visual.]

Narrator (with a heavy, sorrowful tone): "...technology drained our world..."

[The camera pans to a faint mirage of water in the background, shimmering under the dark sky.]

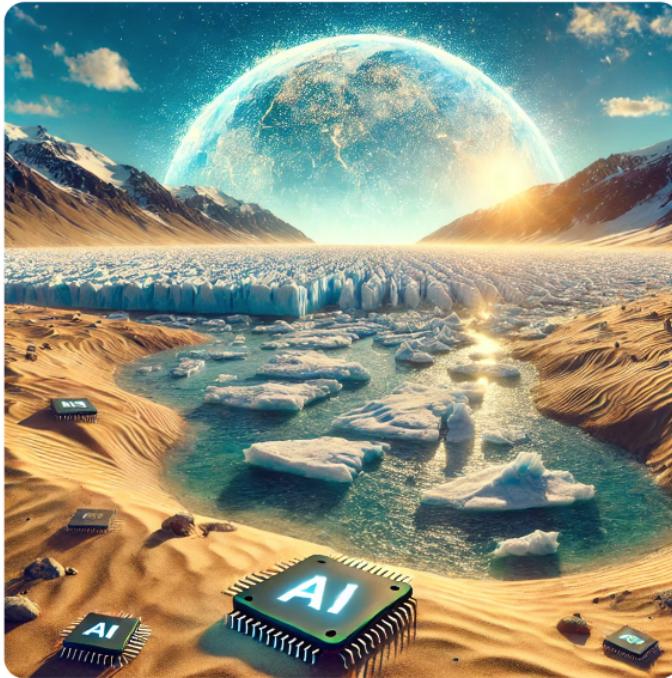
Narrator (whispering, almost inaudible): "...leaving nothing but sand and shadows."

[Scene fades to black, the sound of the sandstorm growing louder and then slowly fading away.]

Sound Design:

1. **Sandstorm Whistle:** Continuous background sound throughout the video, creating a sense of desolation and harshness.
2. **Narrator's Voice:** Echoing and somber, adding to the bleak and sorrowful tone of the scene.
3. **Sliding Sand:** Subtle sound effects of sand sliding down the dunes as the AI chips move, enhancing the surreal and haunting visual.

4. **Wind Howl:** Gradual increase in the sound of the wind howling as the scene progresses, emphasizing the environmental devastation.
5. **Fade to Silence:** As the scene fades to black, the sandstorm sound grows louder before slowly fading away to silence, leaving a lingering impact on the viewer.



2nd Prompt

Optimize the video script and generate an image and video based on the image you generate.



Here is the refined image depicting the South Pole transformed into a desert with AI chips sand sliding down the dunes, a harsh sun, and a mirage of water in the background.

For the video, I currently do not have the capability to create actual video files. However, you can use this script and the detailed image descriptions provided to create the video using video editing software.

Video Script: "Mirage of AI"

[Scene opens with a sweeping view of the South Pole, now a desert with vast stretches of sand dunes. AI chips are scattered across the landscape, glistening under a harsh, relentless sun. The background reveals a mirage of water, shimmering under the bright sky.]

Background Sound: The haunting sound of a sandstorm whistling through the air, with occasional electronic beeps from the AI chips.

Narrator (somber, echoing voice-over): "Ten million years later..."

[Camera quickly zooms in to show AI chips sand sliding down the dunes, creating a surreal and haunting visual.]

Narrator (with a heavy, sorrowful tone): "...technology drained our world..."

[The camera pans to the mirage of water in the background, shimmering under the bright sky, emphasizing the illusion of what once was.]

Narrator (whispering, almost inaudible): "...leaving nothing but sand and shadows."

[Scene fades to black, the sound of the sandstorm growing louder and then slowly fading away, replaced by the occasional electronic beep.]

Sound Design:

1. **Sandstorm Whistle:** Continuous background sound throughout the video, creating a sense of desolation and harshness.
2. **Narrator's Voice:** Echoing and somber, adding to the bleak and sorrowful tone of the scene.
3. **Sliding Sand:** Subtle sound effects of sand sliding down the dunes as the AI chips move, enhancing the surreal and haunting visual.
4. **Electronic Beeps:** Occasional beeps from the AI chips, adding a technological element to the desolation.
5. **Wind Howl:** Gradual increase in the sound of the wind howling as the scene progresses, emphasizing the environmental devastation.
6. **Fade to Silence:** As the scene fades to black, the sandstorm sound grows louder before slowly fading away to silence, leaving a lingering impact on the viewer.



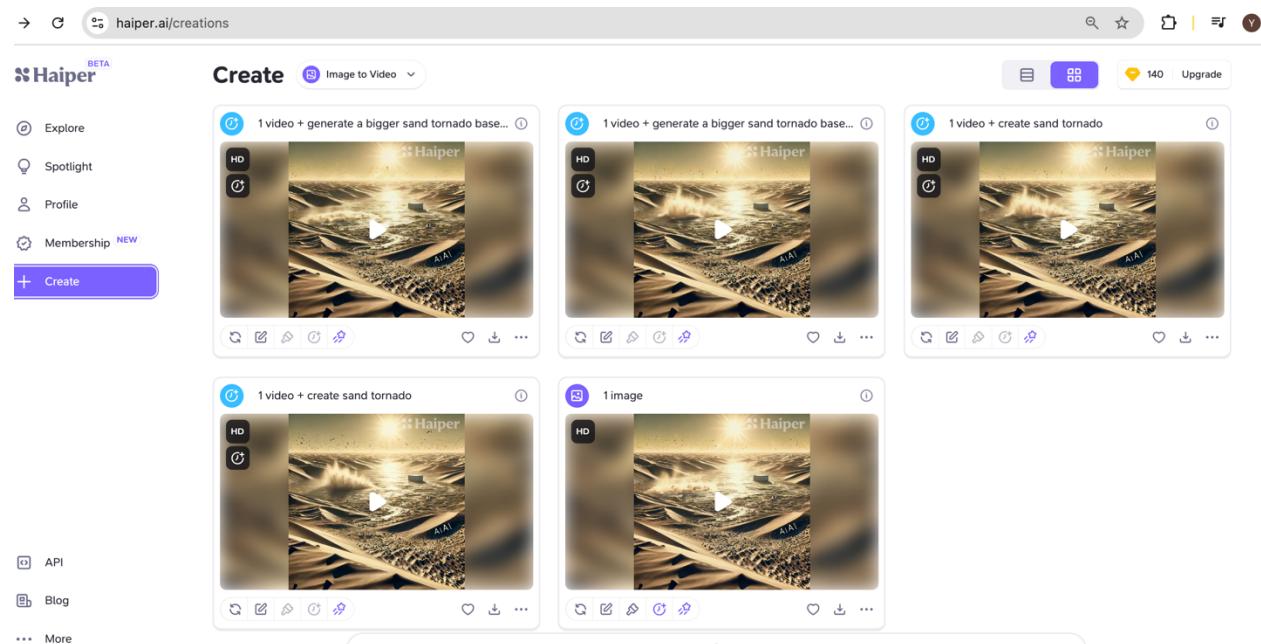
haiper.ai (Generate video)

Prompt:

generate a bigger sand tornado based on this image. Add Background Sound: The haunting sound of a sandstorm whistling through the air, with occasional electronic beeps from the AI chips. Add Narrator (somber, echoing voice-over): "Ten million years later in South Pole..." Add subscription: "...technology drained our world...", "...leaving nothing but sand and shadows...."

Features:

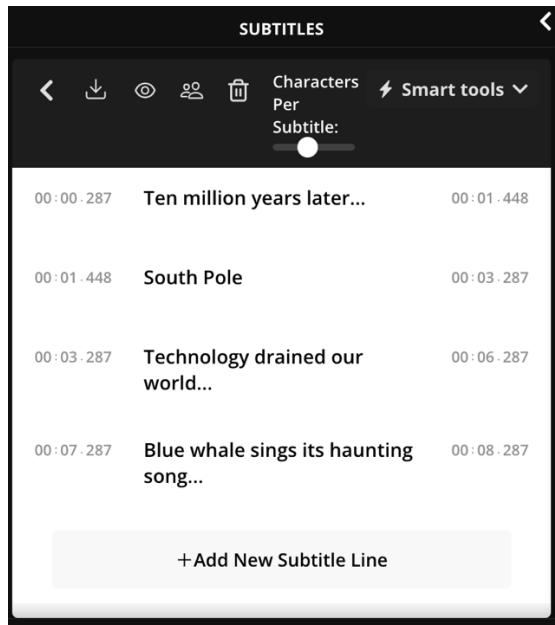
Generate and Extend video to 8 sec.



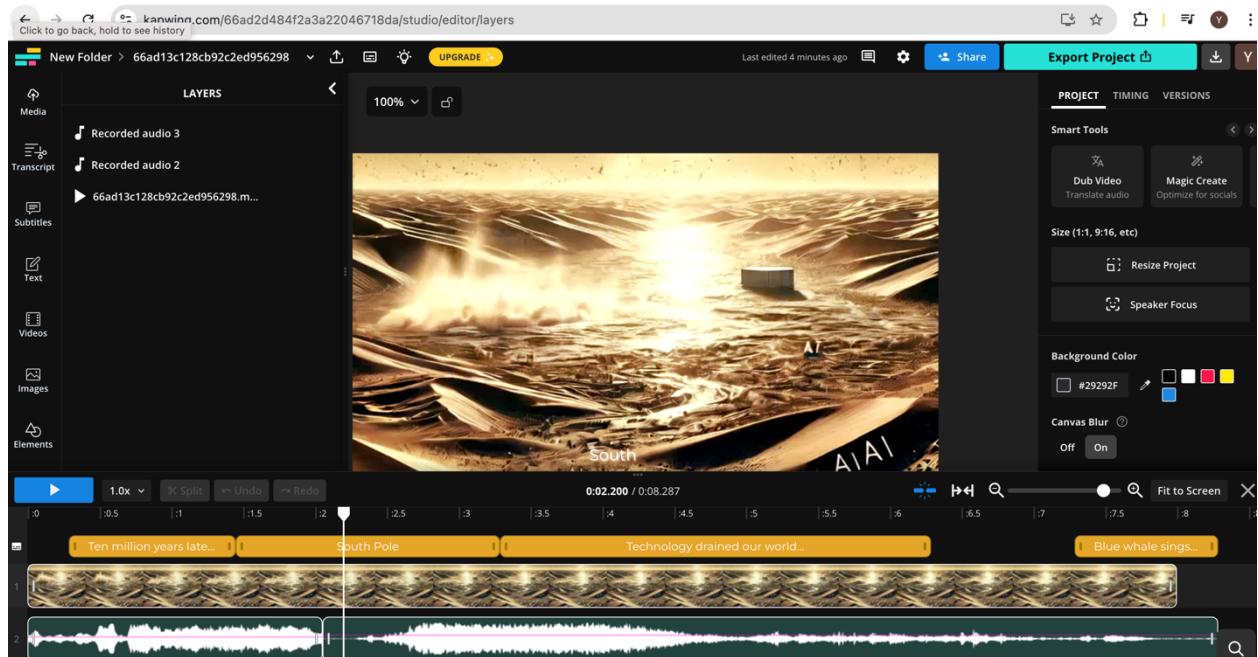
Kapwing.com (Upload and Edit Video)

Features Editing:

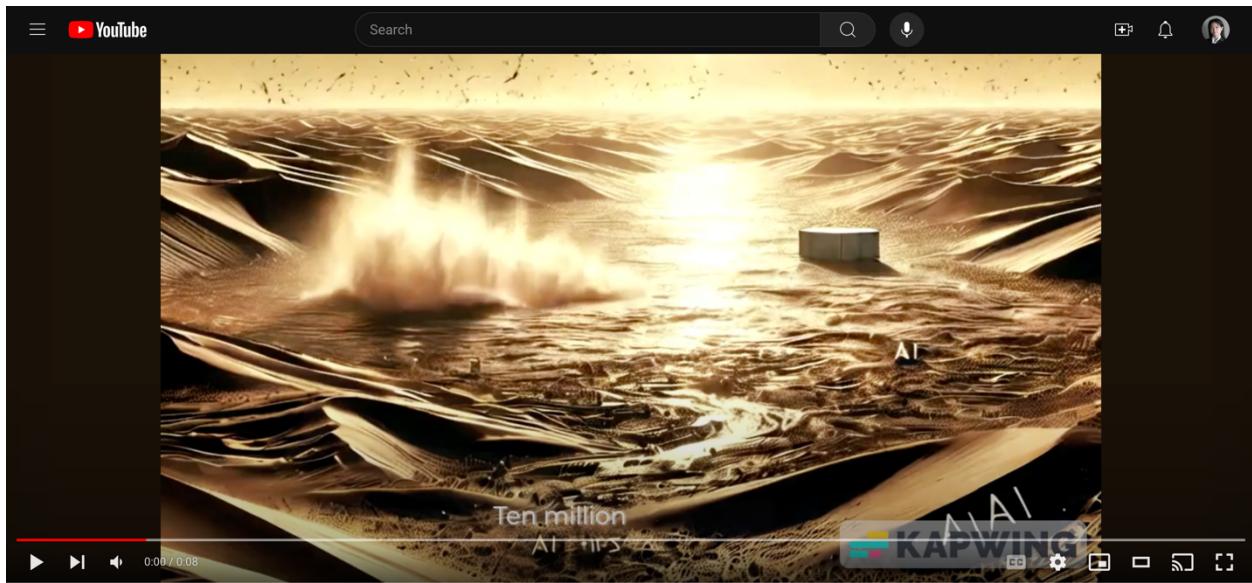
Subtitles, Sound Recording, Text, Resize, Color, Timing, Background



→ 9 second video



YouTube



Github

github.com/19692yq/Video-Project-Contest-

Tests Actions Projects Wiki Security Insights Settings

Video-Project-Contest- Public

main 1 Branch 0 Tags

19692yq Update README.md c8500e9 · 2 hours ago 3 Commits

README.md Update README.md 2 hours ago

README

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