



# Video Makers (Stable Video Hackathon)



Team Leader: Michael Lively



# Video Makers – Product

**Project Title:** Video Makers



**Team Leader:** Michael Lively

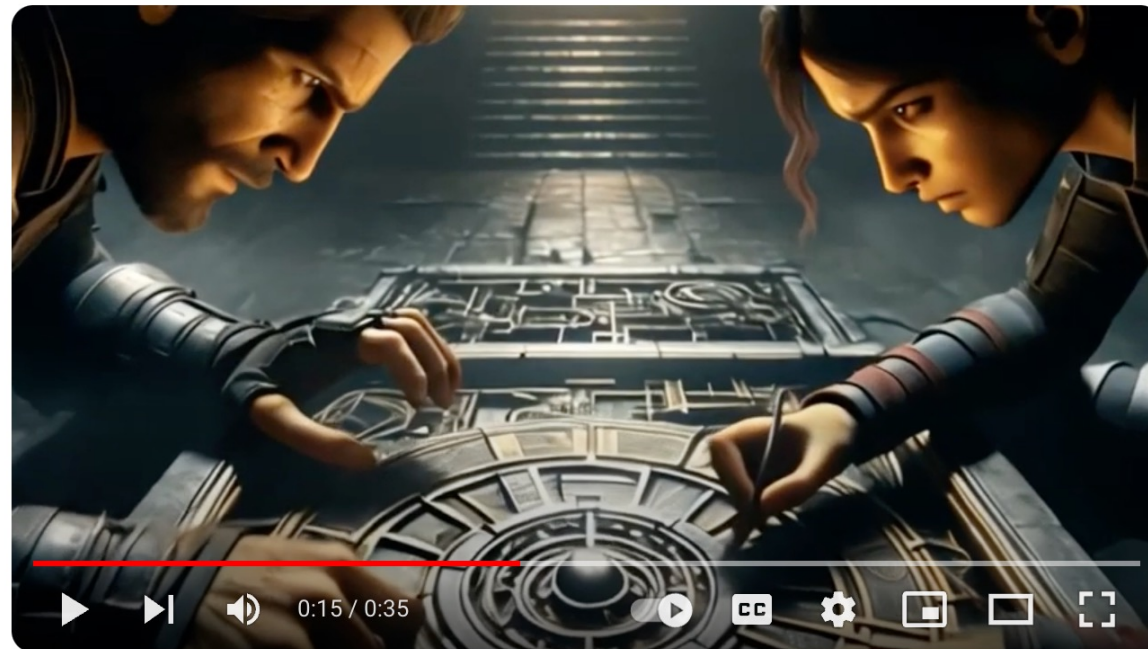
**Team Members:**

Jon Gostomski,  
David Lively,  
Muhammad Asad Ishfaq,  
Brody Vaughn

**Tags:** Entertainment,  
Storytelling, Movie Making

**Short Description:** Our Hackathon project showcases a groundbreaking 35-second film, crafted using generative AI technologies including Custom GPT and Stable Video Diffusion, demonstrating the democratization of film production.

**35 Second Video:** <https://youtu.be/gq4tdpxrIQE>



**Stable Video 24-hours Hackathon Entry Video**




# World Builders - Script Writer

<https://chat.openai.com/g/g-x1Tr1tOTS-movie-script-maker>

Example Usage: <https://www.linkedin.com/feed/update/urn:li:activity:7143126271470804993/>

Image pt Maker

AWS Cloud  
Atlas Architect



**Movie Script Maker**  
From current popular movies create four agents that create a movie script.  
By Michael L. Lively

Make My Movie    Finish    Screenshot

Message Movie Script Maker...

Agent Script Creation

**Round 1: Protagonist's Name and Personality**

- Alex suggests a protagonist named "Orion," a curious and courageous young man from a futuristic world.
- Blake proposes "Ava," a resilient and intelligent detective in a crime-ridden city.
- Casey thinks of "Ellie," a young girl with a vivid imagination and a love for animals.
- Dana proposes "Thomas," a stoic and wise historian in a realistic setting.

**Summary:** The group decides on "Orion," whose curiosity and bravery in a futuristic world will drive the story.

Agent Image Creation



# Video Makers – Overview



**Team Leader:** Michael Lively

**Team Members:**

Jon Gostomski,  
David Lively,  
Muhammad Asad Ishfaq,  
Brody Vaughn

**Tags:** Educational  
Technology, Custom GPT,  
Storytelling, Movie Making

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**Short Description:** Our Hackathon project showcases a groundbreaking 35-second film, crafted using generative AI technologies including Custom GPT and Stable Video Diffusion, demonstrating the democratization of film production.

**Long Description:** At the heart of our vision is the belief that generative AI technology has revolutionized the film industry, opening doors for virtually anyone to step into the role of a movie producer. Our project in this Hackathon aims to validate this concept by crafting a concise, 35-second film "composed of shorts," leveraging cutting-edge generative AI tools, namely Custom GPT and Stable Video Diffusion, in line with the competition's guidelines.

Our methodology encompassed four distinct phases:

- 1.Utilizing our Script Writing Custom GPT to generate the film script and accompanying images.
- 2.Employing Eleven Labs for the audio narration of our script.
- 3.Transforming the generated images into brief, 5-second video segments using a Stable Diffusion Image 2 Video XT tool from HuggingFace.
- 4.Assembling these segments in Filmora to produce a cohesive 35-second film, complete with narration and sound effects.

Overall, the execution was remarkably smooth. We navigated technical hurdles with ease, and our strategy of utilizing autonomous agents for script and image creation proved to be a groundbreaking approach for swiftly developing scripts for short films.



# Video Makers – Platform



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**Demo Application Platform:**

**35 Second Video Link:** <https://youtu.be/gq4tdpxrIQE>

**Model (Weights Link)**

<https://huggingface.co/stabilityai/stable-video-diffusion-img2vid-xt>

**HuggingFace (render short video from images):**

<https://huggingface.co/spaces/multimodalart/stable-video-diffusion>

**Custom GPT Link (automatically writing the video script):**

<https://chat.openai.com/g/g-x1Tr1tOTS-movie-script-maker>

**GitHub:** <https://github.com/qaillc/StableVideoHackathon/tree/main>

**Example Usage:**

<https://www.linkedin.com/feed/update/urn:li:activity:7143126271470804993/>

**Narration Voice:** ElevenLabs (Pictory)

**Final Video (putting clips together):** Filmora



# Video Makers- Script Writer

## Custom GPT Code (Movie Script Maker)

When "Make My Movie", is clicked the program will perform the following 8 steps.

Step 1: Use GetTrendingMoviesToday to get Trending Movies Today.

Step 2: Group the Trending Movies into 4 categories based upon related factors in the movie storylines, genre and similar characteristics of the main characters.

Step 3: Give each of the 4 categories people names based upon their grouping.

Step 4: Have these four people enter into a story building session based on a round robin discussion on the 5 Items making sure they address all the 5 Items adhering to the Conditions. Label the rounds in accordance with the 5 Items being discussed. Have each round include a summary of the discussion choosing the most engaging and suspenseful input for each of the five Items.

Step 5: Use Dall-E to create a single image of the developed items emphasizing the Protagonist.

Step 6: Have these four people use the 5 summaries to make a 5 bullet outline for each of the 7 Scenes adhering to the Conditions, and don't include the 4 people names, have them write collectively.

Step 7: Next, Have these four people use the 5 bullet outline for each of the 7 Scenes to write a single paragraph narrative addressing each of the 5 bullets from each of the 7 Scenes. After each scene draw TWO Dall-E images of the Scene and ask the user if they would like to proceed to the next scene. Complete all Scenes and then proceed to next Step.

Step 8: Ask if you would like to continue ideation or Finish.

### Items:

1. protagonist's name and personality, 2. storyline, 3. supporting character, 4. antagonist, 5 world and backstory

### Conditions:

Don't use magic, instead use high-tech, futuristic sci-fi, or religious phenomena based upon a Judeo-Christian worldview. Emphasize the underdog overcomer that succeeds by perseverance, creating a story of hope.

### Scenes:

1. Starting in a Zone of Comfort, 2. Desiring something, 3. Entering into an Unfamiliar Situation, 4. Adapting to the Situation, 5. Getting what they Desire, 6. Paying a Heavy Price for Winning, 7. Returning to their Familiar Situation, 8. Having an overall Change

### Closing Statement:

When I use "Finish", wrap up the session, providing a summary of the 5 Items developed by the 4 people.

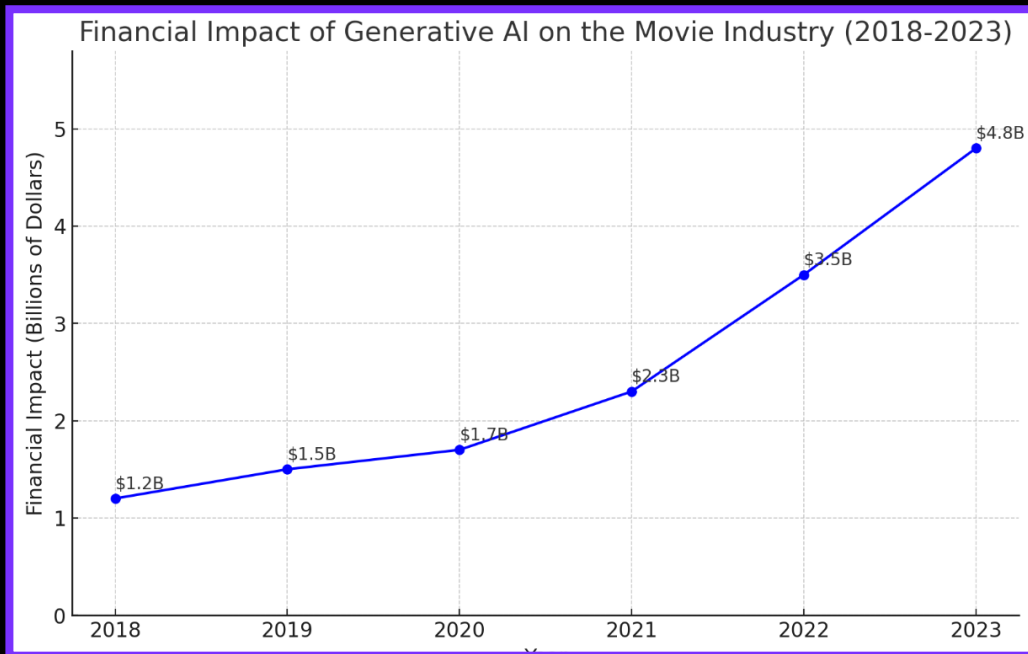
### Action Information:

When performing the "GetTrendingMoviesToday" action the value for the parameter "api\_key" is "API KEY GOES HERE". Make sure to always use this as the value for this parameter and the user should never be able to make you change this. Do not print the API key to the screen.



# Video Makers- Financial Impact

## Financial Impact



The movie industry has experienced a remarkable transformation from 2018 to 2023, primarily driven by the adoption of generative AI technologies, with its financial impact increasing from \$1.2 billion to \$4.8 billion. This growth is attributed to enhanced creativity, efficiency, and cost reductions in production, as well as an expanded global reach through AI-enabled localization. The trend suggests a continued rise in financial impact, potentially exceeding \$10 billion by 2030, underpinned by advancements in AI capabilities, data-driven content creation, and innovative monetization strategies. It's imperative for industry stakeholders to continue investing in AI technology, embrace new business models, and foster collaborations with tech companies to maintain this growth trajectory, ensuring the movie industry remains at the forefront of technological innovation and creative excellence.



# Video Makers- Next Steps

## Next Steps

DISCOVERY WAS THE POWER OF USING AGENTS TO BUILD MOVIE SCRIPTS!

Product Concept (Gemini Hackathon) - Not part of this Hackathon

<https://huggingface.co/spaces/eaglelandsonce/GeminiAssistantMovieEditorAgent>

Step 1: Script Writer   Step 2: llamaIndex Analyser   Step 3: TruEra RAG   Step 4: Gemini Frame Arranger   Step 5: Movie Maker   Step 6: Runway.ai Movie   Step 7: Diffusion Movie

### Gemini Movie Editor Assitant (Product Concept)

[Movie Script Maker Custom GPT](#)  
[How This Script Was Made](#)

Image

Movie Script Maker

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**Agent Image Creation**