

Twitter Thread by [Daniel Eckler](#) ✦



Daniel Eckler ✦

[@daniel_eckler](#)



ANOTHER AI MEGA THREAD ■

From Robotics...

<https://t.co/lmsMthZN5O>

Tesla CEO Elon Musk revealed a working prototype of humanoid robot at Tesla AI day 2022 <https://t.co/bzseqL50Le>
<pic.twitter.com/D6lwfQr kz>

— The Verge (@verge) [October 1, 2022](#)

to Virtual Reality...

<https://t.co/vQc9ZbtaWw>

Stable Diffusion VR

Real-time immersive latent space. \U0001f525

Small clips are sent from the engine to be diffused. Once ready, they're queued back into the projection.

Tools used: <https://t.co/UrbdGfvdRd> <https://t.co/DnWVFZdppT#aiart> #vr #stablediffusionart #touchdesigner #deforum
<pic.twitter.com/x3QwQDkapT>

— ScottieFox (@ScottieFoxTTV) [October 11, 2022](#)

to Augmented Reality...

<https://t.co/5jPAykB1p1>

Everything is changing.

Playing with combinations of [#AI](#) and [#AR](#) again. This time I am using the Target tracker in SparkAR, Stable Diffusion for generating images and Frame Interpolation ML for making animation. <pic.twitter.com/XwaMM4V11T>

— Sergei Galkin (@sergeygln) [October 12, 2022](#)

to Reality Augmented Reality.

<https://t.co/1uHWR537NI>

1/6

How I transferred a physical toy to the digital world in one hour with AI

- > LumaAI (3D scan)
- > Cinema4D (editing)
- > Mixamo (rigging and animation)
- > MetaSparkStudio (AR) pic.twitter.com/zChf6FRaqE

— Sergei Galkin (@sergeyglkn) [November 1, 2022](#)

Text → 3d...

<https://t.co/SPuyzYGVyu>

Happy to announce DreamFusion, our new method for Text-to-3D! <https://t.co/4xl2VHcoQW>

We optimize a NeRF from scratch using a pretrained text-to-image diffusion model. No 3D data needed!

Joint work w/ the incredible team of [@BenMildenhall](#) [@ajayj](#) [@jon_barron](#) [#dreamfusion](#) pic.twitter.com/YeG0zaFxxu

— Ben Poole (@poolio) [September 29, 2022](#)

Text → Motion...

<https://t.co/dqFqW7OtlN>

A group of researchers presented Motion Diffusion Model (MDM), a new diffusion-based generative model capable of generating human motions from text prompts.

Details: <https://t.co/iyqjh7nIjH#AI> [#ArtificialIntelligence](#) [#research](#) [#animation](#) pic.twitter.com/09cz9N8cdu

— 80 LEVEL (@80Level) [October 4, 2022](#)

Text → Music...

<https://t.co/Dml2VRxLzy>

Mubert-Text-to-Music \U0001f3b5\U0001f3b5\U0001f3b5

Colab notebooks demonstrating prompt-based music generation via Mubert API

GitHub: <https://t.co/ExdfvXUCrR> pic.twitter.com/2Ycwl7RUvX

— AK (@_akhaliq) [October 19, 2022](#)

Text → App...

<https://t.co/rOKal7k22d>

text \u2192 app \U0001f4ab

Write plain English and it gets turned into an app, that sends inputs to OpenAI API.

an app, built by AI, that uses AI to power the app\U0001f92f pic.twitter.com/2ugZmtgDMa

— Ben Tossell (@bentossell) [October 5, 2022](#)

Text → You.

<https://t.co/HxqHFrd0Db>

\u2728 You can now create your own AI avatars like these with my new AI mini project:<https://t.co/3lLowfJe66>

\U0001f4f8 Upload some photos of yourself

\U0001f9e0 Train a model on it and then

\U0001f5a8 Generate 30 AI avatars of your own face in different styles

Still very very basic MVP but it works <https://t.co/fwrteJ7dh4> pic.twitter.com/OOGKP11dzP

— @levelsio (@levelsio) [October 28, 2022](#)

Podcasts...

<https://t.co/dgc0HVGIOw>

This is pretty mind-blowing: a podcast that is entirely generated by artificial intelligence where Joe Rogan interviews Steve Jobs. <https://t.co/JPeKZ8ylxk>

— Alex MacCaw (@maccaw) [October 11, 2022](#)

Medicine...

<https://t.co/gpPZXyBjJQ>

\U0001f389 [#StableDiffusion](#) can be fine-tuned to generate medical images, and the outputs can be controlled using natural language text prompts!

In our latest work, we use SD to create synthetic chest xrays and insert pathologies like pleural effusions.

\U0001f9f5 [#Radiology](#) [#AI](#) [#StanfordAIMI](#) pic.twitter.com/FxQLIPmwdZ

— Christian Bluethgen (@cxbln) [October 11, 2022](#)

Education...

<https://t.co/2KAlaHA9v2>

Announcing <https://t.co/C7rp4Vj9RS> - a better way to read academic papers.

Want to know the science behind GPT-3? We built a tool that explains Attention Is All You Need - the paper that started it all.

Try it at <https://t.co/C7rp4Vj9RS!> <pic.twitter.com/OwHsiYCPbD>

— Aman Jha (@amanjha_) [October 12, 2022](#)

Search...

<https://t.co/tEta7dTrDP>

GPT-3 versus Google Search: <pic.twitter.com/oCxIIDV7O4>

— David E. Weekly @david@weekly.org (@dweekly) [October 13, 2022](#)

Sports...

<https://t.co/sGsosqOTiq>

New AI algorithms predict sports teams' 2019 moves with 80% accuracy. Move over Brad Pitt, you're old news, there's a new Moneyball in town. <https://t.co/YA6jyvCjAg>

— Ben Tossell (@bentossell) [October 13, 2022](#)

Marketing...

<https://t.co/XjcQadAhe9>

AI unlocks unlimited product photography. \U0001f92f

Recent advances have made it possible for merchants to turn mobile photos into high quality product images + ad creative.

AI can now learn and reproduce a product on demand. More \u2026 \U0001f447[1/10] [#ai](#) [#aiart](#) [#stablediffusion](#) [#dreambooth](#) <pic.twitter.com/sNrRLtlla1>

— Russ Maschmeyer (@StrangeNative) [October 11, 2022](#)

Gaming...

<https://t.co/755pHeS1Gc>

~ Presenting: DiffusionCraft AI ~

Stable Diffusion running live with Minecraft.

Here is my latest experiment with the little help of some python scripts. [#diffusioncraft](#) [#minecraft](#) [#stablediffusion](#) [#python](#) [#img2img](#) [#aigaming](#) <pic.twitter.com/XXBFzeeCFL>

— Sean (@ThoseSixFaces) [October 23, 2022](#)

Film...

<https://t.co/ThOOO9Y5i7>

Testing out Stable Diffusion inpainting on a video

- by [@justLV](#)

See below for his process [#inpainting](#) [#stablediffusion](#) [#artificialintelligence](#) pic.twitter.com/XyFk4c1aUg

— Karen X. Cheng ([@karenxcheng](#)) [November 1, 2022](#)

Film software...

<https://t.co/tnShUHNX9B>

Introducing AI Magic Tools

Dozens of creative tools to edit and generate content like never before. New tools added every week.

Available now: <https://t.co/ekldolsP34> pic.twitter.com/eicSnEiCEi

— Runway ([@runwayml](#)) [October 12, 2022](#)

from image to video...

<https://t.co/ZbdQy7lXDQ>

Introducing Frame Interpolation

Generate seamless video from still images with just one click.

Available now: <https://t.co/rpNciHjZRH> pic.twitter.com/HOtAo16f0Y

— Runway ([@runwayml](#)) [November 2, 2022](#)

by Google...

<https://t.co/EjIC81jOAq>

Excited to announce Imagen Video, our new text-conditioned video diffusion model that generates 1280x768 24fps HD videos! [#ImagenVideo](#)<https://t.co/JWj3L7MpBU>

Work w/ [@wchan212](#) [@Chitwan_Saharia](#) [@jaywhang](#) [@RuiqiGao](#) [@agritsenko](#) [@dpkingma](#) [@poolio](#) [@mo_norouzi](#) [@fleet_dj](#) [@TimSalimans](#) pic.twitter.com/eN81LqZW7l

— Jonathan Ho ([@hojonathanho](#)) [October 5, 2022](#)

by Meta...

<https://t.co/NosLAAM1yk>

We're pleased to introduce Make-A-Video, our latest in [#GenerativeAI](#) research! With just a few words, this state-of-the-art AI system generates high-quality videos from text prompts.

Have an idea you want to see? Reply w/ your prompt using [#MetaAI](#) and we'll share more results.
[pic.twitter.com/q8zjiwLBjb](https://t.co/q8zjiwLBjb)

— Meta AI (@MetaAI) [September 29, 2022](#)

on Quest

<https://t.co/OeZp8QJfye>

~ Presenting: Sketch Diffusion ~

Stable Diffusion running live with the Meta Quest Pro in Gravity Sketch. I created this in collaboration with T&DA. [#metaquestpro](#) [#wearables](#) [#ar](#) [#stablediffusion](#) [#ai](#) [#artificialintelligence](#) [#img2img](#) [#generativeart](#) [#python](#) [#gravitysketch](#) [pic.twitter.com/dJP1Kct25X](https://t.co/dJP1Kct25X)

— Sean (@ThoseSixFaces) [October 28, 2022](#)

in Blender...

<https://t.co/UE7XiaV01B>

More testing of the SD addon for Blender. [\U0001f601#b3d](#) [#stablediffusion](#) [pic.twitter.com/1vJ22slGgS](https://t.co/1vJ22slGgS)

— [\U0001f463K\u15ea\u15e9\u15ef\U0001f463](#) (@Kdawg5000) [September 27, 2022](#)

from Drones...

<https://t.co/eZepPHM5uv>

1/ Now you can create "drone" shots from your phone footage, thanks to NeRF

Collab with [@justlv](#) / software [@nerfstudioteam](#) / see below for our process

[#NeRF](#) [#neuralrendering](#) [#artificialintelligence](#) [#instantNeRF](#) [pic.twitter.com/3FOqGK403N](https://t.co/3FOqGK403N)

— Karen X. Cheng (@karenxcheng) [October 25, 2022](#)

to Phones.

<https://t.co/iBb9Rt82Bt>

AI powered app helps you count things [pic.twitter.com/cxOEI3BAyz](https://t.co/cxOEI3BAyz)

— Vala Afshar (@ValaAfshar) [October 31, 2022](#)

AI-imagined Books...

<https://t.co/iEWFaNEXLb>

Just wanted to share something small I built the other night --

I grew up listening to Will Durant's history books, and now I can watch them! Videobook lets you "watch" audiobooks

(sound on): pic.twitter.com/JcBBQJNPT2

— Daniel Gross (@danielgross) [October 27, 2022](#)

Music Videos...

<https://t.co/hJyr6lQAaE>

The "lyrics" of "Killer Queen" are used to create the images by Artificial Intelligence and it is just beautiful\U0001f970
pic.twitter.com/FZknOB4kqA

— Tansu YElu011eEN (@TansuYegen) [October 7, 2022](#)

Films...

<https://t.co/ev700Al4zx>

"A Year"

AI animation artwork made in colab using my custom stable 3D animation algorithm on top of [#stablediffusion](#) model. In the thread I share some details about the algo and when i plan to release it, and talk about the joy and future of AI filmmaking

\U0001f3b6 DakhaBrakha - Vesna pic.twitter.com/OexCG5DCI3

— Dmitrii Tochilkin (@cut_pow) [October 3, 2022](#)

Dimensions...

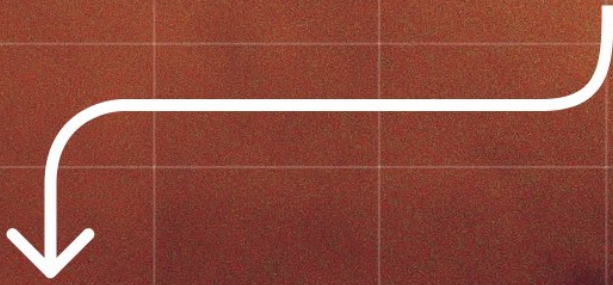
<https://t.co/zO1JfScYT6>

The best photoscanning app by far is the [@LumaLabsAI](#) beta. It uses self-learning AI to guess parts of the missing scan, and does an amazing job at it. Currently no mesh export, but that's coming soon. pic.twitter.com/vb6bJqmWZ8

— Andrew Price (@andrewpprice) [October 12, 2022](#)

<https://t.co/TPp72UBI8n>

SEE MORE



Worlds.

<https://t.co/phliHGd1JO>

Stable Diffusion inpainting in the real world U0001f929. First experiment with Stable Diffusion and WebAR. [#threejs](#) [#8thwall](#) [#stablediffusion](#) [#augmentedreality](#) <pic.twitter.com/dFq1sRoh43>

— Stijn Spanhove (@stspanho) [October 16, 2022](#)

Rethink how you think...

<https://t.co/A2eCuswhaf>

something I've been playing around with: live drag-and-drop AI writing augmentation in [@Fermat_ws](#). it's infinitely easy to prompt engineer different tools, and ones like live counter-argument generation seem to be super powerful. <pic.twitter.com/t4hG2IEoJw>

— max drake (\\u2a0d) (@max__drake) [October 14, 2022](#)

how you dream...

<https://t.co/mhviXnm2H7>

This tool for artists, storytellers, and researchers is built for rapid prompt development: generate hundreds of images, manage prompt dependencies, try variations, find nearby concepts, and fine-tune params in real-time. Start with any prompt. Those from [#lexica](#) usually... <pic.twitter.com/bgAk0x86Fq>

— Noah Mac (@noahamac) [October 11, 2022](#)

who you are.

<https://t.co/WmPg6LLRm2>

Introducing the Dreambooth Ion Cannon:

A Stable Diffusion repository and guide designed to allow even the most non-technical of users to generate images according to pre-selected prompts with nothing more than eight photographs of a subject <https://t.co/JZTMJqYfqk>

— laurence (gpt-3 bot overlord arc) (@functiOnZer0) [October 5, 2022](#)

It's easier than you think...

<https://t.co/GEi31zgQah>

DreamBooth is becoming popular for creating custom Stable Diffusion models using your images.

Here is a beginner friendly thread on how it works: [U0001f9f5](https://t.co/0001f9f5) pic.twitter.com/jlLdOqbWBf

— Divam Gupta (@divamgupta) [November 1, 2022](#)

to recreate reality...

<https://t.co/ffxBBTLwAl>

Imagic: Text-Based Real Image Editing with Diffusion Models

abs: <https://t.co/xRW6F6w2ZG> pic.twitter.com/wGifY74i4w

— AK (@_akhaliq) [October 18, 2022](#)

on an infinite canvas.

<https://t.co/RZhAm4hB9V>

I turned stablediffusion-infinity ([#outpainting](#) with [#stablediffusion](#) on an infinite canvas) into a web app using [@pyscript_dev](#) and [@Gradio](#): PyScript for the frontend and Gradio for the backend.

Source code: <https://t.co/BpUWQZctcx>

Also available on Colab pic.twitter.com/QkpGdTemUl

— Lnyan (@lkwq007) [October 1, 2022](#)

Ok, it's kind of complicated...

<https://t.co/3hXrlxxtPD>

Expert level prompt engineering going on here: pic.twitter.com/ZnKgLUN8NZ

— Suhail (@Suhail) [October 13, 2022](#)

vast...

<https://t.co/DYFkVydGYs>

How do people use [#stablediffusion](#) ?

Explore 6.4 million AI generated images from [@krea_ai](#) in Atlas. <https://t.co/nrbG8PuwFp>
[pic.twitter.com/B8MOJDDDRl](https://t.co/B8MOJDDDRl)

— Nomic AI ([@nomic_ai](#)) [November 1, 2022](#)

some would even say, Universal.

<https://t.co/8ZLc9DJ2u8>

(1/3) Until now, AI translation has focused mainly on written languages. Universal Speech Translator (UST) is the 1st AI-powered speech-to-speech translation system for a primarily oral language, translating Hokkien, one of many primarily spoken languages. <https://t.co/onYKQ8uoKN> [pic.twitter.com/ly8MRMOypQ](https://t.co/ly8MRMOypQ)

— Meta AI ([@MetaAI](#)) [October 19, 2022](#)

Translate anything...

<https://t.co/HD7nZPwvSq>

We've trained a neural net called Whisper that approaches human-level robustness and accuracy on English speech recognition. It performs well even on diverse accents and technical language. Whisper is open source for all to use. <https://t.co/ueVywYPEkK>

— OpenAI ([@OpenAI](#)) [September 21, 2022](#)

anywhere...

<https://t.co/buyRHeyV3g>

\u2728 I made a YouTube transcription tool using [@OpenAI's #Whisper](#) model to transcribe any YouTube video to a PDF.

Just paste any YouTube link and get the PDF.

It has hyperlink timestamps that go to any specific video section.

It's on [@ProductHunt](#) today! <https://t.co/PeRbUy6YZn> [pic.twitter.com/I9Odx3aAJV](https://t.co/I9Odx3aAJV)

— Marco Mascorro ([@Mascobot](#)) [October 11, 2022](#)

in any language.

<https://t.co/X8iOUBxP6E>

\U0001f941 Introducing [@vidtranslator](#) \U0001f30e

Hacked together a twitter bot that uses [@OpenAI](#) [#whisper](#) to translate any videos in any tweets, in... any language.

Making [@Twitter](#) a truly global water cooler.

It's mind-blowing how good it is! Examples [\U0001f9f5](#)

— Altryne - targum.video ([@altryne](#)) [October 3, 2022](#)

Music...

<https://t.co/HFF5BH8GIm>

we've seen lots of generative AI market maps making the rounds on Twitter. a huge gap: none of them cover music with the same amount of breadth as visual art and text.

so, we made our own [\U0001f916](#) here's a market map of 60+ AI tools for musicians, across the entire creative process: pic.twitter.com/FTvobG3xiN

— Water & Music ([@water_and_music](#)) [November 1, 2022](#)

Photos.

<https://t.co/flQCTpEaD3>

big AI art news from Shutterstock. the company is:

- integrating OpenAI's DALL-E to their site to generate stock images
- launching a fund to reimburse Shutterstock creators whose images are sold to train AI art models <https://t.co/7OIhYYyPIB>

— James Vincent ([@jjvincent](#)) [October 25, 2022](#)

Or just have some fun...

<https://t.co/66veHAzWj4>

dying at these AI images of [\u201csalmon in a river\u201d](#) pic.twitter.com/mVXP1QSmhE

— thankfulBad ([@SortaBad](#)) [October 28, 2022](#)

awe...

<https://t.co/nbecENZoih>

How dead celebrities would look today with artificial intelligence

I can't stop staring at these...

Don't tell me AI isn't going to change the world:

— GREG ISENBERG (@gregisenberg) [September 27, 2022](#)

play...

<https://t.co/eK26PZUbEP>

The simplest video inputs can turn out so wild \U0001f47d [#aivideo](#) [#stablediffusion](#) [#stablewarpfusion](#) [#ai](#)
<pic.twitter.com/FgrGLMYXix>

— Colton Onushko (@Coltography) [October 28, 2022](#)

joke.

<https://t.co/o1EzsYXbvY>

I decided to turn my error into an image with stable diffusion. That seems about right. <pic.twitter.com/NmryXgWkfX>

— Cody Blakeney (@code_star) [October 7, 2022](#)

If you're still reading this...

<https://t.co/SbtxqFxfkm>

This sweater developed by the University of Maryland is an invisibility cloak against AI.

It uses "adversarial patterns" to stop AI from recognizing the person wearing it. <pic.twitter.com/aj8LIHixvX>

— Morning Brew \u2615\u260f (@MorningBrew) [October 25, 2022](#)

it's time to get going...

<https://t.co/TaOXsMXFxi>

OpenAI launches their first accelerator.

\$1M to 10 companies + early access to models. <https://t.co/lOnTtLomlo>

— Lenny Bogdonoff (@rememberlenny) [November 2, 2022](#)

now...

<https://t.co/a4haJ1UOVq>

Press release: Stability AI Announces \$101 Million in Funding for Open-Source Artificial Intelligence [@EMostaque](#)
<https://t.co/VgVDeag8tJ>

— Stability AI (@StabilityAI) [October 17, 2022](#)

right now...

<https://t.co/rC7n3BuWBH>

I think most people who are not playing with these technologies are way underestimating the speed of advancement in "creative" AIs & how much of an impact that is going to have on many jobs, soon.

AI language & art models are growing at 10x a year. Beyond Moore's Law pacing. 1/ pic.twitter.com/r0YnROh58z

— Ethan Mollick (@emollick) [October 25, 2022](#)

everything is moving faster...

<https://t.co/rqI8Uiue23>

This is not a drill. I was able to run [#stablediffusion](#) locally on an iPhone XS. Not via server. On. My. Phone. The prompt: \u201cpineapple on a white table.\u201d Watch it transform. (I broke the model into about 20 CoreML models to avoid running out of memory pic.twitter.com/FJcUNv7eIQ)

— Matt Waller (@wattmaller1) [September 24, 2022](#)

so stay up to speed...

<https://t.co/J7StE66oSq>

The field of AI is moving incredibly fast.

Here\u2019s a curated list of 15 AI newsletters to stay ahead of the field.\U0001f9f5

— AssemblyAI (@AssemblyAI) [October 28, 2022](#)

informed...

<https://t.co/XmgCsEOIbv>

of everything.

<https://t.co/12qBNPcQok>

Awesome Diffusion Models

A fantastic and well-organized collection of learning resources on diffusion models such as introductory papers, survey papers, intro videos, long lectures, and blog posts. Papers in vision, natural language, tabular, graph, etc. <https://t.co/Dfmkv9mmKD> pic.twitter.com/fcqw8LgtM4

— Jean de Nyandwi (@Jeande_d) [October 7, 2022](#)

Or just the things you really need...

<https://t.co/2JGB28BZJ0>

Over the 7 weeks since Stable Diffusion's release, we've seen many amazing open-source contributions from the community. A lot of them have come in the form of awesome Google Colab notebooks! \U0001f525

Here is a thread of 14 awesome notebooks we've seen from the community \u2193

— Stable Diffusion (@StableDiffusion) October 14, 2022

a vision...

<https://t.co/CiDpagMoER>

\U0001f6a8 NEW: Our episode with [@EMostaque](#) of [@stabilityai](#) / StableDiffusion is out!

We discussed

- All things StableDiffusion
- Why gatekeepers are bad for AI
- Prompt eng.
- India's role in AI
- Dishoom in London (!)
- Religion/theology
- And much more! [@aarthir](#) and I had a blast pic.twitter.com/pgISO6PkYz

— Sriram Krishnan - sriramk.eth (@sriramk) September 30, 2022

<https://t.co/tiylkeY4k6>



a technical understanding...

<https://t.co/EKJvk4wx0J>

The Illustrated Stable Diffusion <https://t.co/sbjKHP4PoI>

New post!

Over 30 visuals explaining how Stable Diffusion works (diffusion, latent diffusion, CLIP, and a lot more).

pic.twitter.com/qkK1f7W1zh

— Jay Alammar (@JayAlammar) [October 4, 2022](#)

a guide to more.

<https://t.co/FeKV9EqI3M>

I got a special surprise for you all...

We just released the first 5.5 hours of our new course "From Deep Learning Foundations to Stable Diffusion", for free!<https://t.co/LiUu9HSfIG>

— @jh@sigmoid.social (Mastodon) (@jeremyphoward) [October 20, 2022](#)

If you enjoyed this, check out my previous AI threads, on everything...

<https://t.co/tAT7LkKCIU>

Stable Diffusion is only 30 days old

a MEGA THREAD on its rapid rise.

— Daniel Eckler (@daniel_eckler) [September 20, 2022](#)

on creativity...

<https://t.co/XBvGZT20z2>

AI is coming for creativity

Learn these tools or get left behind pic.twitter.com/XVksvkSdya

— Daniel Eckler (@daniel_eckler) [October 6, 2022](#)

on artists...

<https://t.co/F6MtK2tDKY>

101 AI Artists you NEED TO SEE to Believe pic.twitter.com/4xQNYNOry8

— Daniel Eckler (@daniel_eckler) [September 29, 2022](#)

from the beginning...

<https://t.co/HrerW1ijJZ>

AI Art 101

27 tweets that will change your brain.

— Daniel Eckler \u2726 (@daniel_eckler) August 30, 2022

to follow-up...

<https://t.co/q1FDIcX49K>

AI Art 101.B \U0001f9f5

24 MORE mind melting videos\u2026

— Daniel Eckler \u2726 (@daniel_eckler) September 9, 2022

to whatever's next.

Subscribe to <https://t.co/SEjeAf58CR> for the latest on emerging technology.

If you're in SF today, check out...

<https://t.co/ljE7FYcLeq>

AI Film Festival tmw!

AI movies from [@GlennsZen](#) [@ScottieFoxTTV](#) [@LighthiserScott](#) [@TomLikesRobots](#) [@_hackmans_](#) [@hollyherndon](#)
[@AceKittyArtist](#)

Panels with [@a16z](#) [@alonsorobots](#) (Phenaki) [@buckhouse](#) at [@sequoia](#) [@SPolcz](#) + more!

AI games+AI movies+holodeck!!!<https://t.co/id0kvdrvwv>

— The Culture DAO (@theculturedao) November 6, 2022