



A collection of useful and/or interesting machine learning resources.

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200 Best GenAI Sites (according to GenAI)

- Google Gemini Deep Think: <https://gemini.google.com/share/c621e3dc5c60>
- Perplexity Deep Research: <https://link.zhdk.ch/magicperplexity>

AI News and Newsletters

- The Rundown AI: www.therundown.ai
- Two Minute Papers: www.youtube.com/channel/UCbfYPyITQ-7l4upoX8nvctg
- AI Image Generator Review: www.petapixel.com/best-ai-image-generators/
- One Useful Thing: <https://www.oneusefulthing.org/>

AI Prompting

- OpenAI: Prompt Examples <https://platform.openai.com/docs/examples>

- Google Cloud: Prompt Engineering
<https://cloud.google.com/discover/what-is-prompt-engineering#prompt-engineering-overview-and-guide>
- Microsoft: Generative AI for Beginners
<https://github.com/microsoft/generative-ai-for-beginners/tree/main>
- Anthropic: Prompt Engineering
<https://docs.anthropic.com/en/docs/build-with-claude/prompt-engineering/overview>
- Anthropic: Extended Thinking Tips
<https://docs.anthropic.com/en/docs/build-with-claude/prompt-engineering/extended-thinking-tips>
- OpenAI: GPT 4.1 Prompting Guide
https://cookbook.openai.com/examples/gpt4-1_prompting_guide
- Awesome GPT Prompts:
<https://github.com/ai-boost/awesome-prompts?tab=readme-ov-file>
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AI Explainers

- Generative AI exists because of the transformer:
<https://ig.ft.com/generative-ai/>

AI Guides

- OpenAI Academy (free): <https://academy.openai.com/>
- Prompt Engineering for ChatGPT (free): <https://bit.ly/44FNgX0>
- Practical AI for Teachers and Students (Wharton/UPenn): <https://bit.ly/4110kJF>

Teaching

- Practical Strategies for Teaching with AI:
<https://mitsloanedtech.mit.edu/ai/teach/practical-strategies-for-teaching-with-ai/>
- Introduction to Generative AI for Educators: Practice!
<https://mi.mcmaster.ca/introduction-to-generative-ai-for-educators/introduction-to-generative-ai-for-educators-practice/>

Advanced AI Information

- OpenAI Cookbook:
<https://cookbook.openai.com/>

AI Models & Services

Multi-Model: Multimodal

- Huggingface Spaces www.huggingface.co/spaces
- Open Router: <https://openrouter.ai/>

Multi-Model: Image & Video

- Freepik: <https://www.freepik.com/>
- Poe: <https://poe.com/> (also Text)
- KREA krea.ai (0-\$\$\$, auch gut für Videos)
- Pollo [https://pollo.ai/](https://pollo.ai) (den dozierenden unbekannt, verwendet für den Präsidenten)
- Envato <https://elements.envato.com/> (den dozierenden flüchtig bekannt, verwendet für den Präsidenten)

Image

- Midjourney www.midjourney.com (\$ - Image generation)
- Ideogram.ai www.ideogram.ai (Image generation)
- DALL-E 3 <http://chat.openai.com> (Image generation - part of ChatGPT)
- Flux <https://replicate.com/black-forest-labs/flux-dev> (\$ - image generation)
- Recraft <https://replicate.com/recraft-ai/recraft-v3-svg> (\$ - Vector-file generation)
- Adobe Firefly <https://firefly.adobe.com/> (Image generation)
- Microsoft Bing <https://www.bing.com/images/create> (Image generation)
- Leonardo.ai <https://leonardo.ai/> (Image generation + Realtime image generation + more)
- Draw Things App / Stable Diffusion <https://drawthings.ai/> (FREE App for image-generation using open source Stable Diffusion models)
- Astria.ai <https://www.astria.ai/> (\$ Stable Diffusion Training for individual faces)
- Topaz Studio 2 <https://docs.topazlabs.com/other-apps/legacy> (FREE App for polishing AI generated photos, adding grain, texture, vignetting, etc...)
- Topaz Labs: <https://www.topazlabs.com/>
\$\$\$ Upscale, Restore & Fix für Bild und Video
- Magnific.ai <https://magnific.ai/> (\$\$ Powerful Upscaling Service)
- Upscayl <https://www.upscayl.org/> (Free upscaling App)
- FreeScaler <https://apps.apple.com/us/app/freescaler/id6443796196> (Free Upscaling App - great for drawings and illustrations)
- Palette.fm <https://palette.fm/> (Image colorization tool)
- BIRME www.birme.net (FREE online resizing tool - not AI, but useful)
- Relight <https://clipdrop.co/relight> (Image tool to relight photos)

Graphics

- Exactly <https://exactly.ai/>

Video

- Gen-4 von Runway <https://www.runwayml.com/> (\$\$\$ Capable but expensive video generation)
- Hailuo AI <https://hailuoai.com> (\$\$ video generation)
- Luma Dream Machine <https://lumalabs.ai/dream-machine> (\$\$ video generation)
- Pika Labs <https://pika.art/> (\$\$ picture-to-video + more)
- Leonardo.ai <https://leonardo.ai/> (Very capable picture-to-video + more)
- D-ID www.d-id.com (Picture-To-Video Talking Head and Avatar generation)
- LeiaPix / Immersivity AI <https://www.leiapix.com/> (\$ Very simple Picture-To-Video, does basic perspective shifts)
- Goodbye Greenscreen <https://aescrpts.com/goodbye-greenscreen/> (\$\$ After Effects plugin)
- Depth Scanner <https://aescrpts.com/depth-scanner/> (\$\$ After Effects plugin)
- Topaz Video AI <https://www.topazlabs.com/topaz-video-ai> (\$\$\$ App for upscaling video footage. Industry standart.)
- Neural Enhancement Suite <https://aescrpts.com/neural-enhancement-suite/> (\$\$ useful After Effects plugin for cleanup and colorization of footage)
- Heygen <https://www.heygen.com/> (\$ powerful avatar creation and voice cloning)
- Hedra <https://www.hedra.com/> (lipsync animation)
- Beeple AI beeple.ai for Relighting and VFX Passes

Text & Code

- ChatGPT <http://chat.openai.com> (Language model - currently to best out there)
- Google Gemini <https://gemini.google.com> (Language model - larger context window than ChatGPT, great for reading long PDF or other files)
- LMStudio <https://lmstudio.ai/> (FREE App to host open source language models locally on your computer)
- Microsoft Bing www.bing.com (AI enabled search + image generation)
- GitHub CoPilot <https://github.com/features/copilot> (\$ powerful coding tool)

- tldraw make real <https://makereal.tldraw.com/> (turns drawings into code, needs GPT API connection)
- LibreChat: <https://librechat-librechat.hf.space/login>
a clean and simple yet feature-packed chat interface
- Open WebUI: <https://github.com/open-webui/open-webui>
Feature-rich and user-friendly self-hosted platform for LLMs
- Scira MCP: <https://github.com/zaidmukaddam/scira-mcp-chat>
MCP-centric chat interface
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Audio

- Elevenlabs www.elevenlabs.ai (\$ powerful text-to-speech, speech-to-speech, voice dubbing, voice cloning, sound effect generation)
- How-to: Control to Elevenlabs:
<https://elevenlabs.io/docs/best-practices/prompting/controls>
- SUNO.AI <https://www.suno.ai/> (\$ powerful music generation)
- UDIO udio.com (music generation)
- Play.ht www.play.ht (text-to-speech - good for german voices)
- RVC <https://github.com/RVC-Project/Retrieval-based-Voice-Conversion-WebUI>
(FREE open source speech-to-speech, needs a little bit of coding-knowledge)
- MacWhisper <https://goodsnooze.gumroad.com//macwhisper> (voice recognition - \$ Pro Version is able to understand swiss-german)
- Moises.ai <https://moises.ai/de/> (handy music app to separate voices from instrumental parts)
- Vocal Remover <https://vocalremover.org/> (alternative to moises.ai - separates voices from instrumental parts)
- Adobe Voice Enhancer <https://podcast.adobe.com/enhance> (FREE tool to repair noisy voice recordings - works best with english voices)

- Schwizerdeutsches Text-to-Speech: <https://stt4sg.fhnw.ch/tts/>

3D

- Sparc 3D: <https://sparc3d.org/>
Generate 3D Models

Agents

- N8n Automation: <https://n8n.io/>

AI Literature

Papers & positions on our Google Drive Folder:

<link.zhdk.ch/literature>

Comfy UI (Interface für die Bedienung Lokaler Modelle - keine AI nur ein Tool)

<https://www.comfy.org/>

Filmmaking

General Filmmaking Channels

- **[StudioBinder](#)**: An industry-standard channel that breaks down complex topics like cinematography, directing, and screenwriting into easy-to-understand video essays. Their "Filmmaking Techniques" playlist is a goldmine.
- **[Every Frame a Painting](#)**: Although no longer active, this channel's archive is legendary. It provides brilliant video essays on the art of editing, composition, and directing, analyzing the work of masters. It teaches the "why" behind cinematic choices.
- **[wolfcrow](#)**: Run by cinematographer Sareesh Sudhakaran, this channel offers clear, in-depth explanations on the technical side of filmmaking, especially cameras, lighting, and lenses. Great for those who want to understand the gear.

Shot Sizes, Composition & Flow

- [The Ultimate Guide to Camera Shots](#) by StudioBinder: A comprehensive 15-minute video that covers over 30 different shot sizes and types, explaining what each one is used for.
- [A Guide to Composition in Film](#) by Fandor: A short, insightful video explaining fundamental composition rules like the rule of thirds, leading lines, and framing to make your shots more dynamic.
- [Film Editing Techniques](#) by StudioBinder: This explains 10 essential editing techniques like the match cut, jump cut, and montage, showing how editing shapes the narrative and pacing.

Color & Lighting

- [Film Color Theory](#) by StudioBinder: A fantastic introduction to color theory in film, covering color harmony and the psychological impact of different color palettes.
- [How to Use Color in Film](#) by Lessons from the Screenplay: This video analyzes how colors are used to express character and theme in films like *Breaking Bad* and *Drive*.
- [Three-Point Lighting](#) by Aputure: A clear, practical tutorial on the most fundamental lighting setup in filmmaking: the key, fill, and back light. It's a must-watch for anyone new to lighting.

Lenses & Focal Lengths

The lens you choose dramatically changes the look and feel of a shot. These videos make the concept of focal length easy to grasp.

- [The Filmmaker's Guide to Lenses](#) by Filmmaker IQ: A deep dive into the history and science of photographic lenses. It's longer but provides a complete understanding of how lenses work.
- [Focal Length & Field of View Explained](#) by wolfcrow: A very clear and visual explanation of how wide, normal, and telephoto lenses affect the image, including compression and distortion.

Directing & Short Film Dramaturgy

- [How a Director Shoots a Scene](#) by Cinecom.net: An excellent practical video where the creators shoot the same simple scene multiple times using different

genres and styles (comedy, horror, drama) to show how shot choices, lighting, and sound change its meaning.

- [The Structure of a Short Film](#) by D4Darius: This video breaks down the three-act structure specifically for short films, offering a simple blueprint for creating a compelling narrative in a short amount of time.
- [What is Dramaturgy?](#) by National Theatre: While focused on theater, this short video gives a great, simple definition of dramaturgy—the art of dramatic composition and the representation of the main dramatic elements—which is directly applicable to structuring a short film.