

Free (or Free-ish) Generative Artificial Intelligence (AI) Tools That Are Useful in Higher Education

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Below is a list of Free or Free-ish Generative AI tools that I use to share with my students. If it is useful to you as well you are welcome to use it as you see fit!

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Answers to Your Questions

Open AI Chat GPT (<https://chat.openai.com/chat>): This tool is a chatbot that can generate text, translate languages, write different kinds of creative content, and answer your questions in an informative way.

Google Gemini (was Google Bard) (<https://bard.google.com/> now <https://gemini.google.com/app>): Bard uses the internet to give answers to questions, rather than giving web pages and web links like a search engine would. It can also write essays and poems.

Perplexity AI (<https://www.perplexity.ai/>): Answers questions with citations.

Copy AI (<https://www.copy.ai/>): Answers questions but can also create content like blog posts or message content.

CoPilot (<https://copilot.microsoft.com/>): [Was Bing] Wants you to use Microsoft Edge (and cannot use with SafeSearch):

YouChat (<https://you.com/>): Free. Works. Also gives related Web search results.

Claude (<https://claude.ai/chats>) Limited use for free. Summarizes, answers questions, etc.

Writing Help

ChatSonic/WriteSonic (<https://writesonic.com/chat>): Conversational AI chatbot. Free 10,000 word trial then a cost. Includes AI article writer, including ads and social media writing. It also has a citations generator.

Jasper AI (<https://www.jasper.ai/>): Free trial then a cost. Made for copywriting.

Quillbot (<https://quillbot.com/>): This tool is a free generative artificial intelligence tool that can be used to rewrite text, proofread documents, and generate creative content. This can be useful for students who are working on essays, research papers, or other creative projects. There is a free and premium (cost) version.

AI Writer (<https://tools.picsart.com/>) This tool uses AI to generate marketing materials (slogans, hashtags, product descriptions, webpage copy):

Grammarly (<https://www.grammarly.com/>): This tool uses AI to detect and correct grammar, spelling, and punctuation errors. It also offers suggestions for improving sentence structure, vocabulary, and writing style. Spelling, grammar, and punctuation are free. Other services such as sentence rewriting or plagiarism detection have a cost.

Hemingway Editor (<http://www.hemingwayapp.com/>): This tool analyzes text and provides suggestions for simplifying and clarifying sentences. It highlights lengthy, complex sentences and common writing errors, such as passive voice and adverb overuse. 14 day free trial then a cost.

Jenni (<https://jenni.ai/>): 200 AI words a day. Content creation for essays, blogs, etc. You specify the topic, it attempts to write, line by line.

ProWritingAid (<https://prowritingaid.com/>): This tool provides detailed analysis of writing style, grammar, and spelling. It also offers suggestions for improving readability, repetition, and sentence structure.

LanguageTool (<https://languagetool.org/>): This tool checks grammar, spelling, and style in over 20 languages. It offers suggestions for correcting errors and improving sentence structure.

Writefull (<https://writefull.com/>): This tool provides feedback on writing by analyzing text against a large database of language usage. It suggests alternatives for improving phrasing, word choice, and sentence structure. Requires download and addition to Word. Limited tools without a membership.

Wordtune (<https://www.wordtune.com/>): Summarizer/rewriter. 3 free summaries per month (works well for PDFs), then paid.

Gimme Summary (Chrome extension): Free summarizer extension.

Predictive Analytics

Anyword (<https://anyword.com/>): Predict the best marketing terms and practices. Seven day trial only and 2,5000 word credit (and you have to answer a bunch of questions first to get to use it).

Tableau Public (<https://public.tableau.com/app/discover>): A free platform to explore, create, and publicly share data visualizations online.

See also <https://www.linkedin.com/pulse/free-ai-tools-data-analytics-prabakaran-v/> but not necessarily free at all.

Content Summary

Eightify (<https://eightify.app/>): This tool summarizes YouTube videos and includes links to key segments. Three free per week and then a cost.

Summarize Tech (<https://www.summarize.tech/>): This tool summarizes YouTube videos and includes links to key segments. Unlimited use but not as thorough as Eightify.

Resoomer (<https://resoomer.com/en/>): This tool can summarize any type of text, including web pages and documents. It also provides a highlighter feature that highlights the most important parts of the text. Only some parts/tools are free.

Smmry (<https://smmry.com/>): This tool provides a concise summary of any text and allows users to adjust the length of the summary. It also provides a score that indicates the level of summarization achieved.

Bearly (<https://bearly.ai/>): Summarizes content such as pdfs or articles. Limited content length for free both daily and monthly. (3,000 words daily, 90,000 words monthly, 5 images monthly).

Gimme Summary (<https://gimmesummary.ai/>): Free Chrome extension. Works well.

Wordtune Read (<https://www.wordtune.com/read>): Three free summaries a month. See side by side results. You need to answer a series of questions however. Works well for pdf files.

Image and Artwork Creation

Ideogram (<https://ideogram.ai/>) Write a description and it creates an image. 25 prompts per day in slow queue for free. All generated images are public.

Adobe Firefly (<https://www.adobe.com/products/firefly.html>). Free trial with upgrade at a cost.

DALL-E 2 (<https://openai.com/product/dall-e-2>): This tool is an image generator that can create images from a text description or can modify images. 15 credits a month for free; then paid. Often overloaded.

Midjourney (via Discord): This tool is an image generator that can create images from a text description. About 25 free images then paid. See instructions at

<https://www.digitaltrends.com/computing/how-to-use-midjourney-to-generate-ai-images/>

DeepAI (<https://deepai.org/>): DeepAI provides a range of free AI tools, including generative models for text and images. It also offers APIs for developers to integrate these models into their applications.

DeepDream (<https://deepdreamgenerator.com/>): A Google project that uses convolutional neural networks to generate dream-like images. Higher resolution images require a subscription (called “energy packs”): 100 free “points” (one image is around 5 to 10 points):

ArtBreeder (<https://www.artbreeder.com/>): An online tool that allows users to create unique images by combining different artistic styles and attributes. 10 credits a month free, then monthly subscriptions. Uploads are 75 cents each.

Hotpot AI Art Generator (<https://hotpot.ai/>): This tool is a free online tool that allows users to create AI-generated avatars from their photos. 15 credits a day for free.

Craiyon (<https://www.craiyon.com/>) Free online AI generator from text.

Stable Diffusion Online (<https://stablediffusionweb.com/>): This tool lets you enter a basic prompt and generate AI images for free.

Stable Diffusion Web (<https://stablediffusionweb.com/>): Requires an email to log in but otherwise free for a limited number of images. Results are on the stereotypical side.

Img 2 Go (<https://www.img2go.com/ai-art-generator>): Limited number of free images. I loved my results on this one.

Image Modification or Sketches to Renderings

Cleanup.Pictures (<https://cleanup.pictures/>): Remove defects or unwanted items in your pictures. Free for under 720 pixels. Simple tool that uses an eraser brush.

Cutout Pro (<https://www.cutout.pro>): Quite minimal free use. Five free credits (total) for images or a five second video for free (resolution of only 360p): Background removal, photo enhancement, sketches to photo quality.

Promeai (<https://www.promeai.com>): Sketches to renderings. Results can be pretty far out there. Free trial with low resolution download of results.

Vizcom (<https://www.vizcom.ai/>): Sketches to renderings. 1 render at a time free. Upload or draw. Seems better for blueprint type sketches.

Profile Pic Maker (<https://pfpmaker.com/>): Create various backgrounds and modifications to your profile picture. Limited version types are free. Fast and easy to use.

See also <https://topai.tools/s/sketch-rendering> but not necessarily free at all.

Avatar and Character Creation

Starry AI (<https://starryai.com/>): This tool is a free online tool that allows users to create AI-generated avatars from their photos or drawings. 5 free credits.

Character.AI (<https://beta.character.ai/>) Free version has a waitroom. Its focus is on chat but you can create your image/character/avatar. The words you use matter in creating said character. It also makes up the chat conversations.

Nero (<https://ai.nero.com/avatar>). Ten photos required to work from. One free image generation (avatar).

FacePlay: This tool is a free app (phone only) that allows users to create AI-generated avatars from their photos or videos.

Dawn: This tool is a free app (phone only) that allows users to create AI-generated avatars from their photos.

Text to Speech

ElevenLabs (<https://elevenlabs.io/>): Limited free trial in both word count and voice generations. Various voices (each voice counts as points used).

Murf.ai (<https://murf.ai/>): This tool is a text-to-speech tool that can generate audio from text. Free trial has no downloads, just 10 minutes of voice generation, then a cost.

Speechify (<https://speechify.com/>): This tool is a text-to-speech tool that can generate audio from text. Three-day free trial then \$139 a year. You must cancel or you will be billed.

NaturalReader (<https://www.naturalreaders.com/online/>): This tool converts text to speech. It offers a variety of reading speeds and a highlighter feature that follows along with the spoken text.

ResponsiveVoice (<https://responsivevoice.com/text-to-speech/>): This tool provides text-to-speech conversion in multiple languages and voices. It offers a variety of speaking styles and allows users to adjust the speaking rate and volume. Free version is limited and cannot be for commercial use.

Beepbooply (<https://beepbooply.com/>): Free trial. Simple account set up. Choose voice styles. 10,000 characters per month free (about 13 minutes or 2,000 words).

Whisper (<https://replicate.com/openai/whisper>): Perhaps consider this but it is not free. It is cheap though. Online transcription of audio files.

Assess Language Skills

Smalltalk (<https://app.smalltalk2.me/>): Free trial/demo/assessment. It seemed to work pretty well. However some of the quotes were from Squid Games so if that is not your style this may not be the one for you. That said, it ranks on grammar, pronunciation, fluency, vocabulary, and interaction.

Audio or Video Translation or Transcription

Google Translate (<https://translate.google.com/>): Free. Awesome. Over 100 languages. Use this.

Otter Pilot (<https://otter.ai/otterpilot>): If your online meeting platform does not already have its own transcription and capture service enabled, this could be useful. 30 minutes free a month.

See also <https://www.edapp.com/blog/ai-translation-tools/> but not necessarily free.

Presentation or Video Creation

Gamma. (<https://gamma.app/>) auto generates presentation design, structure, and content based on prompts to the user. Currently free.

Flicki (<https://fliki.ai/>): Create videos from scripts. 5 free minutes per month.

Genmo (<https://www.genmo.ai/>): Convert still images and text prompts into animations. Limited use for free. Takes a little while to render (for free at least).

SlidesAI (<https://www.slidesai.io/>): Create slideshows using AI (including outlines and slide content). Three presentations a month free. File must be downloaded and installed. Be wary because it requires your Google account and also requires permission to add, edit, and delete.

Nolej (<https://live.nolej.io/>). Free trial. Create video, audio, and other content. Meant for classrooms and academic institutions.

Music Creation or Modification

Suno.AI (<https://www.suno.ai/>). Song generator. Free 2 minute songs.

Tone Transfer (<https://sites.research.google/tonetransfer>) is a free online tool that allows users to transfer the style of one song to another. Simply upload two songs, and Tone Transfer will generate a new song that sounds like the first song, but with the style of the second song.

Open AI Jukebox (<https://jukebox.openai.com/>) is a free online tool that allows users to generate music by simply typing in a genre, mood, and tempo. Jukebox will then generate a full song based on your input.

Magenta Studio (<https://magenta.tensorflow.org/studio/standalone#usage>) is a free online tool that allows users to create music by simply drawing a line. Magenta Studio will then generate a full song based on your drawing.

AudioStrip (www.audiostrip.co.uk): Free trial of instrumental and vocal isolation. A cost though after the trial for additional files.

BeatBot. (www.beatbot.fm): Music creator including lyrics based on topic input. Short clips for free, cost for longer clips or additional vocalists.

Beethoven (www.beatoven.ai): Generate background music. One track a month. Otherwise subscription or by the minute. Choose from genres, regional sounds, and emotions.

Endel (<https://endel.io/>): Background soundscapes (sleep, focus, relax). Requires answering a rather long list of questions, to the point of being daunting. Limited sets available for free.

See also <https://topai.tools/filter?t=music> but not necessarily free at all.

Voice Modification or Cleanup

Cleanvoice (<https://cleanvoice.ai/>): 30 minutes free (total). Removes filler sounds, stuttering, and mouth sounds from audio recording.

Krisp (<https://krisp.ai/>). Remove background noise and the like. Free but wants access to your Google information so use another email account. It is determined to connect to your accounts and calendars though and requires answering a series of questions. It is an executable file on your local machine.

Music Identification

Shazam (<https://www.shazam.com/>): is an app that can identify songs from your browser (Chrome add on).

Sonoteller (<https://sonoteller.ai/>): Try it with a Youtube link. Analyzes song lyrics and offers added detail such as mood, themes, genres (so useful even for music with no lyrics).

Detect AI Use

Writer AL Content Detector (<https://writer.com/ai-content-detector/>): This tool is a free generative artificial intelligence tool that can be used to detect AI-generated text.

Copyleaks AI Detector (<https://copyleaks.com/ai-content-detector/>): This tool is a free generative artificial intelligence tool that can be used to detect AI-generated images.

GPT Zero (<https://gptzero.me/>): Actually no free trial. \$10 a month starting plan. However, well known.

See also <https://topai.tools/filter?t=ai%20detection> but not necessarily free at all.

Hide AI Use

Undetectable.AI. <https://undetectable.ai/> free trial and then monthly or yearly fee.

Machine Learning and Coding

GitHub Copilot (<https://github.com/features/copilot>): This tool is an AI code generator that can help you write code by suggesting lines of code based on what you have already written. Free trial then cost. Good at entry level. Complex may have run time errors.

Google Colaboratory (<https://colab.research.google.com/>): Google Colaboratory is a free Jupyter notebook environment that allows users to run Python code and access pre-trained machine learning models, including generative models. It can be used for teaching and research in various domains.

TensorFlow (<https://www.tensorflow.org/>): TensorFlow is an open-source machine learning framework that supports a variety of deep learning models, including generative models. It is widely used in research and education for tasks such as image and text generation.

Magenta (<https://magenta.tensorflow.org/>): An open-source project by Google that provides various generative AI models for music and art.

PyTorch (<https://pytorch.org>): PyTorch is another popular open-source machine learning framework that supports deep learning models, including generative models. It is known for its flexibility and ease of use.

Hugging Face [Transformers] (<https://huggingface.co/>): Hugging Face is a popular open-source library that provides pre-trained models for natural language processing, including generative models such as GPT-2 and GPT-3. It also offers tools for fine-tuning these models on custom datasets.

Quiz Generation

Quizizz (<https://quizizz.com/admin>): Intro version is free but has limited quizzes and reporting.

Quillionz (<https://www.quillionz.com>): Has a free version where you can make five question sets per month.

Yippity (<https://yippity.io/>): Create three free quizzes a month. For some reason the site wants your birthdate.

AI Powered Research

Semantic Scholar (<https://www.semanticscholar.org/>): Free, immediate, and relevant results.

SciSpace at TypesetIO (<https://typeset.io/>): Free basic version. Lists paper and a summary of insights.

Research Rabbit (<https://www.researchrabbit.ai/>): Requires account set up. Keep track of journals of interest, search feature that makes use of Semantic Scholar.

Scite (<https://scite.ai/>): Seven days free and then \$20 a month.

Elicit (<https://elicit.com/>): Limited number of free credits.

AI Meeting and Teaching Support

OtterPilot (<https://otter.ai/>). Caveat: Short term trial only and will want access to your Google account including all contacts and any calendars you are linked to. Use caution.

Fetchy (<https://www.fetchy.com/>) Help for your classroom environment from lesson plans to teacher notes. Free for 7 days.

Neurodivergent

Goblin Tools (<https://goblin.tools/>). Free to use. Tools for planning and communication and even cooking.