

Artificial Intelligence Tools

Disclaimer: These links and descriptions are provided as a convenience and for informational purposes only; they do not constitute an endorsement or approval by the Barton Library or Barton Community College. The Barton Library and Barton Community College bear no responsibility for the accuracy, legality, or content of external sites or for that of subsequent links.

AI Assistants & Bots

Connected Papers

An AI-powered literature mapping tool that assists researchers in finding published papers across many fields of science. The user may enter a paper identifier (e.g., DOI, arXiv, URL, title), then the algorithm analyzes approximately 50,000 relevant papers in the Semantic Scholar Open Research Corpus database and selects several dozen that possess the strongest connection to the original. The generated results are arranged in a visual graph according to their similarity based on overlapping citations and references. The pricing model offers a free version and two paid subscription tiers.

Pros:

- ✓ User-friendly interface
- ✓ Visual representation of trends, popular works, and dynamics
- ✓ Supports papers from all fields of science
- ✓ Allows users to find the most relevant prior and derivative works
- ✓ Permits the discovery of literature reviews and state of the art papers
- ✓ Useful for building a bibliography

Cons:

- ✗ Freemium model
- ✗ Not a citation tree, and will not show the direct citation relationship between papers
- ✗ Optimized for desktop browsers, and may not work well on mobile devices or tablets
- ✗ Coverage limited to Semantic Scholar

Consensus

An AI-powered search engine using GPT-4 to retrieve and condense information from scientific research papers. Users input a prompt, then the tool uses natural language processing, machine learning, and blockchain technology to analyze and evaluate millions of peer-reviewed, academic publications on the internet. The AI evaluates the identified articles, extracts key findings, and provides summaries of studies. Web pages are ranked and displayed

based on their relevance, quality, and reliability. Best results are realized when posing simple, direct questions about well-researched topics.

Pros:

- ✓ Scientifically verified results
- ✓ Evidence-based answers to queries
 - ✓ Customization options
 - ✓ Ad-free

Cons:

- ✗ Lacks mobile app
- ✗ No multi-lingual support
- ✗ Lacks offline functionality
- ✗ Database limitations

Elicit

An AI research assistant designed to automate research workflows, particularly in conducting literature reviews. The tool uses language model to locate relevant research papers based on broad keyword and subject matches, extract essential data and concepts across multiple sources, and provide a summary specific to a research question.

Pros:

- ✓ Understands and generates meaningful text
- ✓ Contextualizes research questions
 - ✓ Infers relationships from data
 - ✓ Performs brainstorming
 - ✓ Generates relevant research hypotheses
 - ✓ Classifies text
 - ✓ Enhances efficiency
 - ✓ Optimizes results
- ✓ Reasonable price structuring

Cons:

- ✗ Accuracy and relevance varies depending on complexity and specificity of research query
- ✗ Challenges to refining searches
- ✗ Lack of more advanced analytic capabilities
- ✗ Features may be overwhelming to non-technical users
- ✗ Steep learning curve for some users

FuturePedia

An AI tools directory that allows one to browse and utilize over five thousand tools in more than fifty categories such as copywriting, image generation, marketing, and video editing. The platform provides detailed profiles of each tool, and highlights its strengths, areas of expertise, and contributions to the field of artificial intelligence.

Pros:

- ✓ Provides access to largest directory of AI tools
- ✓ Comprehensive and up-to-date

- ✓ Filter search results by categories, pricing, features, and ratings
- ✓ Provides detailed reviews, user feedback, use cases, and demo videos

for each tool
<ul style="list-style-type: none"> ✓ Allows users to compare and contrast different AI tools ✓ Access to sponsored tools, free trials, and discounts ✓ Free newsletter with updates on new tools, news, and tips
Cons:
<ul style="list-style-type: none"> ✗ Incomplete coverage in available tools, especially niche or emerging platforms

<ul style="list-style-type: none"> ✗ Occasional outdated information that does not reflect changes or updates in listed tools ✗ Occasional inaccuracies or poor quality in provided information or reviews ✗ Occasional misinformation or bias ✗ Inability to guarantee users' data security or privacy ✗ Occasional inability to provide technical support or customer service
--

phind

An intelligent assistant for programmers and developers that offers a search engine for technical questions. Though the use of large language models, the tool stays up-to-date by providing answers, explanations, and examples gathered from multiple internet sources.

Pros:
<ul style="list-style-type: none"> ✓ Supports multiple searching models, including Expert, Concise, and Creative modes ✓ Customizable search defaults ✓ Advanced featured such as custom links, additional code as context, and search filters ✓ Efficient information retrieval ✓ Promotes explorer mindset ✓ Randomized topic selection <ul style="list-style-type: none"> ✓ Search automation ✓ Relevant information targeting

Cons:
<ul style="list-style-type: none"> ✗ For best results, questions should be full and detailed, with relevant topic information ✗ Limit of 6,000 characters for queries <ul style="list-style-type: none"> ✗ No community interaction ✗ No multi-language support ✗ Lacks visual search capabilities <ul style="list-style-type: none"> ✗ No offline functionality ✗ No mobile application ✗ Limited scope ✗ Lack of extensive user base

Poe (Platform for Open Exploration)

A free, open-source AI chatbot developed by Quora that allows users to generate text, translate languages, create content, and answer questions. The conversational tool is trained on a massive dataset of text and code, and accesses information through Google Search. The platform is intended to be a web browser for chatbots, and the desktop app is designed so that users can hold multiple simultaneous conversations.

Pros:

- ✓ Brings multiple AI bots into one platform
- ✓ Open source means that anyone can contribute to its development
- ✓ Powerful large language model
 - ✓ User friendly interface
- ✓ Accessible through web browser

Cons:

- ✗ May generate incorrect or misleading information
- ✗ Limited functionality
- ✗ Lack of web search or current information
- ✗ Lack of multi-language support

AI Detection**GPTZero**

Developed by a Princeton University student, this freemium AI-detection tool identifies content written by natural language generation (NLG) models such as OpenAI's ChatGPT-3 and GPT-4, Google's Bard, and Meta AI's LLaMa. The platform was specifically created for educators to evaluate the integrity of student work products and explicitly states a commitment to avoid false positives. The training data includes equal measures of human-written and AI-generated articles. Users paste text or upload files, and the system makes an analysis based on two metrics: "perplexity," or the amount of predictable or random writing, and "burstiness," the uniformity of that writing through the content. Once the text has been scrutinized, a phrase detection feature highlights those portions most likely written by an AI. The pricing model includes a free version and two paid tiers, with the latter pair featuring more robust detection thresholds.

Pros:

- ✓ Free version (no sign-up required)
 - ✓ Web-based
 - ✓ Easy to use
- ✓ Transparency into AI judgments
 - ✓ Highlights AI-written texts
 - ✓ Supports batch file uploads
 - ✓ Chrome and Microsoft Word extensions
 - ✓ Canvas integration
- ✓ Educational resources and tutorials
 - ✓ Facebook community

Cons:

- ✗ AI detection still imperfect, especially in long-form content
- ✗ Accuracy concerns with instances of false positives and false negatives
- ✗ Users cannot print or save results
 - Potential for privacy or security violations
- ✗ Possible intellectual property rights issues
 - ✗ Supports English only
 - ✗ No money-back guarantee

Originality.ai

This AI-detection and plagiarism checking tool analyzes whether content was written with the assistance of large language models such as OpenAI's GPT-3 or GPT-4, Bing Chat, and Google Bard, or Writesonic's Chatsonic. Additionally, the use of summarizing and paraphrasing tools, including Quillbot, is detectable. Built for publishers vetting contract writing, the algorithms and deep learning models scan extensive databases, including online sources, academic journals, and previously submitted documents. The tool then determines the uniqueness of text by making comparisons against this public-facing web content while simultaneously searching for AI-generated content. If students have used ChatGPT to outline or draft content, they may test the originality and authenticity of their own work and apply results to progress toward fully human writing. Additionally, the tool can enhance writing quality and consistency, offer grammar and spell check, and provide real-time feedback and suggestions to improve writing skills. The various features allow one to avoid having their work duplicated or misused by others without permission or attribution. The pricing structure is based on a simple credit-purchasing system, or three paid API plans.

Pros:

- ✓ Free trial
- ✓ User-friendly interface
- ✓ High accuracy
- ✓ Wide coverage of generative AI content types
- ✓ Plagiarism and copyright infringement detector
 - ✓ Chrome extension
- ✓ Google Drive, Microsoft Word, and WordPress plugins
 - ✓ LMS integration
 - ✓ Multi-language support

Cons:

- ✗ No free version
- ✗ Limited multi-lingual support
- ✗ Lack of file upload feature
- ✗ Higher rate of false positives than false negatives
- ✗ Lack of in-depth results, percentages only
- ✗ No suggestions for fixing detected issues
- ✗ No benchmarking capability

Passed.AI

A comprehensive AI-backed platform that uses Originality.ai to identify generated content plagiarized. Trained on deep learning models including GPT-3.5 and GPT-4, the tool is unique for recognizing subtleties in specific writing styles in various languages, and offers advanced features such as auto-categorization, sentiment scoring, and document embedding, and can detect chatbot conversations and other automated texts across multiple channels. The platform also provides analytics tools including topic modeling and summarization capabilities. The pricing structure does not include a free version, but there is a 5-day free trial. There are two paid subscription plans: Standard and Institution. Users must register, with an option to sign in using a Google account.

Pros:

- ✓ User-friendly interface
- ✓ Swift process
- ✓ API integration option
- ✓ Document history audit
- ✓ Multi-language support
- ✓ Chrome extension
- ✓ Google Docs integration

Cons:

- ✗ No free version
- ✗ Free trial requires billing information
- ✗ Notable amounts of false positives
- ✗ Does not highlight the text of AI content
- ✗ No LMS integration
- ✗ No API key

Turnitin AI

Already known as a plagiarism checker, this tool also features an AI content detector. The knowledge base includes an extensive database of student papers and web sources, which is employed to compare written content and ensure academic integrity and originality of content. Additional features include grammar and spelling checkers, feedback on student work. The platform offers a range pricing plans for educational institutions, with various options. There is a free trial period.

Pros:

- ✓ High accuracy rates
- ✓ User-friendly interface
- ✓ Trusted by educational institutions
- ✓ Customer support
- ✓ Ability to upload multiple files
- ✓ Results in percentages or detailed reports
- ✓ LMS integration

Cons:

- ✗ Expensive without an institutional subscription
- ✗ Unable to detect cleverly disguised plagiarism in blog posts and marketing materials
- ✗ Issues in identifying AI-created content
- ✗ May produce false positives

Art & Images

Craiyon

An AI-powered image generator developed by OPenAI that is trained on the Google PU Research Cloud. Using a deep neural network, the tool generates from text descriptions and training image sets any of four image-generation models: Art, Drawing, Photo, and None. The pricing model includes a free tier and two advanced levels behind a subscription wall. The images can be used for academic, personal, or commercial purposes, although the platform does ask free users to follow ethical best practices and credit Craiyon.com.

Pros:

- ✓ User-friendly interface
- ✓ Generates an unlimited number of free images
 - ✓ Simple UI
- ✓ “Next prompt” option that leverages ChatGPT
 - ✓ Mobile app (Android only)
 - ✓ Print-on-demand services

Cons:

- ✗ Fewer features and customization options than competing platforms
- ✗ Inability to produce photorealistic images
 - ✗ Free images come with watermarks
- ✗ Lack of social media features

DALL-E 2

Developed by OpenAI, the tool creates realistic images and art from text prompts. The platform is a neural network that uses deep learning models alongside the GPT-3 large language model to generate original images in various styles according to the user’s descriptions. Users can create expansive new compositions, make realistic edits to existing images, and add and remove elements such as shadows, reflections, and textures. These generated images can be employed for personal and commercial purposes, with the user retaining the applicable ownership rights.

Pros:

- ✓ Ability to understand hyper-specific details and long prompts
- ✓ Creates images with diffusion models
 - ✓ Free and paid options
 - ✓ Responds well to prompts
- ✓ Fast and simplified image creation
 - ✓ Each image comes with four variations
 - ✓ Image editor feature
 - ✓ User holds the copyright

Cons:

- ✗ Inability to create photorealistic images
- ✗ Lack of multi-language support
- ✗ Low artwork quality depending on prompts
- ✗ Art styles must be manually specified
- ✗ Opportunity for intellectual property infringement depending on base image
- ✗ May create distressing or explicit images due to inartful prompt phrasing

Jasper Art

Developed by Jasper, this text-to-image AI tool generates original, high-resolution images from users’ prompts for blog posts, marketing emails, and ads. Users may select artistic style, mood, or medium type, or the style of a particular artist. The Jasper Chat feature allows for a conversation with the AI to further the creative design process. Upon creation, images fall under a creative commons license and may be used by others as well. There are three paid subscription plans: Creator, Teams, and Business.

Pros:

- ✓ User-friendly interface
- ✓ Free form mode and templates
- ✓ Four variations of created image
- ✓ Able to produce content quickly
- ✓ Good photorealistic results for inanimate objects or lifeless scenes
- ✓ Facebook community

Cons:

- ✗ Limited knowledge of artists' styles
- ✗ Poor photorealistic results for humans and animals
 - ✗ Difficulty with rendering eyes
 - ✗ Struggles to render likenesses of celebrities
- ✗ Failure to answer some prompts
- ✗ Risk of copyright infringement

Magic Studio

Developed by Canva, this platform hosts a suite of AI-powered tools. Magic Design produces AI-generated images and videos from text prompts. Magic Switch converts current designs to different formats, and updates the layout and rewrites the copy if needed. Magic Grab and Magic Edit allow users to rework various elements in images. Magic Expand enables users to edit awkward framing, widen images, or change the orientation. Magic Morph applies effects using written prompts to create elements, textures, and style to text or shapes. Magic Media generates short videos from text prompts, or from an existing image. Magic Animate adds animation and transitions to designs. Magic Write is a writing assistant that can generate a first draft, or summarize or enlarge a piece of text. These designs may then be applied to numerous options, such as social media posts, presentations, business flyers, logos, and websites.

Pros:

- ✓ User-friendly interface
- ✓ No coding or design skills required
- ✓ Supports multiple video software

Cons:

- ✗ Limited advanced tools
- ✗ Limited customization

Midjourney

Developed by an independent research lab of the same name, the tool allows users working directly through the Discord server to generate images from text prompts. The interactive bot relies on sophisticated machine learning algorithms while the platform offers a range of art styles with a particular focus on abstract and interpretive art forms. The site offers four paid subscription tiers. Images and prompts are posted in a public setting, and, by default, they are viewable and remixable. Subscribers grant the platform a non-exclusive, royalty-free license to reproduce, publicly display or perform, and distribute user-created content, as well as prepare derivative works of those images.

Pros:

- ✓ No artistic talent required
- ✓ Ability to refine images to user satisfaction
- ✓ Ability to mimic desired artistic styles
- ✓ Four variations of images

Cons:

- ✗ Poor customer service
- ✗ Generated images are public
- ✗ Only available through Discord
- ✗ Controversy over originality of images
- ✗ Potential creation of “deep fakes”

NightCafe

The AI tool generates original art from user inputs, allows the modification of original images, and enables user to interact with one another. The platform uses a wide array of algorithms, including Stability AI’s Stable Diffusion (text-to-image), OpenAI’s DALL-E 2 (text-to-image), Real-ESRGAN (image/video restoration), and Neural Style Transfer (blending two images’ content and style). The platform offer a four-tier pricing model and also hosts a Discord art community to browse, share, and comment on other artists’ works.

Pros:

- ✓ Easy to use
- ✓ Free trial (no sign-up needed)
- ✓ Ability to mimic variety of art styles
- ✓ Print-on-demand capabilities
- ✓ Social media feed for AI images

Cons:

- ✗ Limited customer service options
- ✗ Requires prompt engineering skills
- ✗ Occasional long queues in image generation
- ✗ Fewer options for print purchase

OpenArt AI

An AI text-to-image generator that creates license-free images, photos, illustrations, and paintings, and other art work through open-sourced and proprietary machine learning algorithms and AI models such as OpenAI’s DALL-E-2. The various creation programs include photorealistic images, anime, and oil painting styles. The platform offers four basic free models, plus paid subscriptions. The site also hosts a Discord channel in which users can browse, share, and comment on other artists’ works.

Pros:

- ✓ User-friendly interface
- ✓ Trainable AI art generator
- ✓ Access to other images and art generated by the tool
- ✓ The tool can create NSFW content

Cons:

- ✗ Limited free use
- ✗ Some image outputs are blurry and lack meaning
- ✗ Free credits only offered through Discord community

StarryAi

A text-to-image AI generator that employs neural style transfers and machine learning through a streamlined app. The two AI models are Altair, using VQGAN-CLIP, and Orion, employing CLIP-Guided Diffusion. Original compositions have varying levels of intricacy and graphical nuances that are derived from multiple sources, including user prompts. The pricing model starts with a free version, then allows for the purchase of additional credits. The platform's license allows the use of creations for commercial and non-commercial purposes, and users have complete ownership of their generated artworks.

Pros:

- ✓ Easy to use and accessible
 - ✓ Free to utilize
- ✓ Customization options
- ✓ User freedom to use images for various purposes
 - ✓ Regular updates

Cons:

- ✗ Limited editing
- ✗ Rationed free credits
- ✗ Occasional slow loading of pages
- ✗ Lack of multi-language support

VanceAI Art Generator

This text-to-image generator uses deep learning algorithms, specifically Generative Adversarial Networks, to create a variety of art and visuals from user prompts. Users may choose theme and artistic style options for the artwork. Users may use default images or upload a reference image for the tool to follow.

Pros:

- ✓ Easy to use
 - ✓ High-resolution outputs
- ✓ Wide range of artistic styles
 - ✓ Customization options
- ✓ Speedy image creation process
 - ✓ Good UI design

Cons:

- ✗ Lengthy process times if servers are experiencing high levels of activity
- ✗ May take multiple renderings to achieve the right visual
- ✗ Not every device can operate the tool

Graphic Design & Editing

Colormind.io

Developed by Anthropic, this AI color scheme generator uses deep learning to extract aesthetically pleasing color palettes and styles from photographs, images, feature films, and popular art. New datasets are loaded each day, and users may repeatedly return for color inspirations. Users may build collections and export a generated color palette for their own

projects, including web design and video editing. The tool can recommend complimentary or similar colors to submitted references.

Pros:

- ✓ User-friendly interface
- ✓ Large color base
- ✓ Integration of selected palettes in different projects
- ✓ Free REST API for personal and non-commercial use

Cons:

- ✗ Limited control over color selection
- ✗ Limited customization options for individual color adjustments
- ✗ Large palettes may not be appropriate for some projects
- ✗ Generated palettes may not meet the needs of a particular project and its users

Designs.ai

The AI platform offers an integrated suite of tools that allows user to create, edit, and scale marketing content, such as text, brand identities, videos, and audio. The writing tool generates text copy that can be used for context-based first drafts, social posts, headlines and newsletters, and marketing copy. Text-to-video technology transforms articles, social media posts, and text scripts into fully-edited videos. The text-to-speech feature converts text scripts into realistic voiceovers with multiple languages, tones, and pitches. The design wizard takes inputted text and a selected template to produces multiple versions of graphics.

Pros:

- ✓ Entirely web-based
- ✓ Supported by immense 123RF library of stock images
- ✓ Good for logos and videos
- ✓ Unlimited projects with basic membership
- ✓ Quick design creation

Cons:

- ✗ AI voice needs improvement
- ✗ No mobile apps
- ✗ Limited features on free plan
- ✗ Slow website
- ✗ Trial period is limited to 30 days
- ✗ Credit card required for sign up
- ✗ More expensive than competitors

Fontjoy

The tool uses a neural net and deep learning model to generate font combinations that share a central theme yet possess an aesthetically pleasing contrast. Users may compare different fonts, such as PT Sans Narrow, Merriweather, Roboto, and Bitter, and select and customize desired choices.

Pros:

- ✓ Free version
- ✓ Generates balanced contrast
- ✓ Deep learning font combinations
 - ✓ Mix and match fonts
 - ✓ Edit font choices
- ✓ Font pairing visualizer
- ✓ Multiple font variations

Cons:

- ✗ Limited font selection
- ✗ No live preview
- ✗ Limited customization options
- ✗ Lacks typography tools
- ✗ No option for hierarchy
- ✗ Lacks detailed descriptions

Khroma

An AI-based color combination generator that draws from users' selections of colors and thousands of human-made color palettes across the internet. Users can search and filter color by hue, tint, value, color, hex, and RGB values. The AI algorithms consider factors such as color theory and current design trends to create combinations. Users choose from at least fifty colors as gradient, palette, typography, and image to create a personalized list of color combinations. The platform offers a two-tier pricing model: Free and Pro.

Pros:

- ✓ Create infinite color combinations
 - ✓ Displays color options
 - ✓ Search and filter features
- ✓ Provides color names, hex codes, RGB values, CSS code, and WCAG accessibility rating
- ✓ Unlimited favorites library

Cons:

- ✗ Requires 50 color choices to train the algorithm
- ✗ Apps and browser extensions are not available
 - ✗ Lacks a color picker tool
- ✗ Lacks a method to export or share users' collections

Looka

An AI-powered platform that employs a machine-learning framework to assist users in designing custom logos and brand identities. The tool offers hundreds of templates to which can be applied symbols, colors, backgrounds, and fonts to create branded marketing materials such as business cards, social profiles, and email signatures. The platform is designed for individuals, small businesses, and large corporations. Users may choose between purchasing a single, royalty-free logo or signing up for a subscription.

Pros:

- ✓ User-friendly experience
 - ✓ Easy design process
 - ✓ High-resolution files

- ✓ Users hold complete ownership of logos
- ✓ Comprehensive branding suite

Cons:

- ✗ No free plan
- ✗ Poor basic plan
- ✗ Limited customization options post-

purchase

- ✗ Extremely strict refund policy

VanceAI Image Enhancer

The platform provides a full suite of photo processing tools that include AI-powered image enhancing, upscaling, sharpening, denoising, and background removing. These features are based on deep convolutional neural networks, which are trained on millions of images. Processed photos may be used in graphic design and batch processing for photography, printing, e-commerce, and other industries, and for applications such as websites, blogs, banners, and product labels. The site offers a free trial and two paid subscription plans.

Pros:

- ✓ AI-based editor
- ✓ Vintage image restoration
- ✓ Background removal
- ✓ Flexible pricing policy
- ✓ Speedy image processing

Cons:

- ✗ Limited free trial with many restrictions
- ✗ Watermarks on free version
- ✗ Lacks manual editing capabilities
- ✗ Software does not include all applications

Presentations

Slidesai.io

Developed by Google, this slideshow generation and editing tool converts inputted text into a presentation. With support for more than one hundred languages, users may create and modify slides by choosing from pre-designed color and font presets or producing custom designs, searching millions of stock images in the platform's library, and locating the citations for slide content. The tool automatically generates subtitles, features the Magic Write function for editing, formats slides, and integrates into Google Slides through a browser extension. Users will need a general Gmail account. There is a free tier, and two categories of paid subscriptions.

Pros:

- ✓ AI-powered presentations
- ✓ Supports 100+ languages
- ✓ Compatibility with existing presentations
- ✓ Small learning curve

Cons:

- ✗ Limited template library
- ✗ Functionality may be more limited than a standalone app
- ✗ Lacks support for advanced features

Slidesgo: AI Presentation Maker

An AI-powered presentation generator that creates free slideshows based on desired topics, tone, and design style. Editing tools provided by Wepik allow users to add or revise text, choose colors, and rearrange elements. Images and icons can be accessed from Freepik and Flaticon. The platform offers free and premium presentation slides and integrates with Google Slides to save and edit files in Google Slides.

Pros:

- ✓ Free usage
- ✓ AI-generated presentations
- ✓ Unlimited library of templates
- ✓ Customizable templates and graphics
- ✓ Multiple slide aspect ratios for download
- ✓ Freepik integration

Cons:

- ✗ Common and easily recognizable content
- ✗ Irregular quality of templates
- ✗ Most presentation templates only available in the premium version
- ✗ Few slides with animation

Reflective AI

Depth

Developed by Reflection.app, this AI-powered journaling prompt generator is designed to facilitate introspection. Journaling is beneficial for deepening self-understanding and personal growth. Using data analysis and pattern recognition, this life assistant tool offers personalized journal prompts and guided frameworks to foster the exploration of emotions and experience.

Pros:

- ✓ Freely accessible

Cons:

- ✗ Still in developmental stage

Riff

Developed by a Stanford University professor and Enchanted, the AI chatbot, powered by OpenAI's GPT 3.5 large language model, is designed to aid people in their reflective skills. The tool allows users to enhance self-reflection, as the AI asks thought-provoking questions that encourages a deeper exploration of one's experiences. Current activities can be connected to past experiences and knowledge, and contrasted with the experiences of others. The tool allows educators access to human-bot interactions, while keeping the identities of users anonymous, and provides valuable feedback on student.

Pros:

- ✓ Conversational dialogue
- ✓ Supplement to systematic self-reflection and peer-to-peer guided reflection
- ✓ Tailored questions and creative responses
- ✓ Knowledgeable concerning concepts, ideas, or hypothetical situations

Cons:

- ✗ Still in developmental stage
- ✗ Trust and confidentiality considerations
- ✗ Not ideal for those who wish to “unplug”
- ✗ Inability to truly understand human emotions

Text & Writing**Bard**

Developed by Google, this conversational generative AI uses the Pathways Language Model (PaLM 2), which allows users to brainstorm ideas, answer questions, obtain information, and generate content. The tool integrates with other Google apps including Gmail, Docs, Sheets, and Colab. Google has recently launched an assistant version that provides personalized support to users. With its training data drawn from the Google search engine, the tool is able to research recent events, summarize key information in web pages, and locate images for visual context.

Pros:

- ✓ Free with Google account
- ✓ Real-time data retrieval
- ✓ Answers queries in a clear, concise writing style
- ✓ Cites sources most of the time
- ✓ Supports 40+ languages
- ✓ Provides three draft answers per prompt
- ✓ No limit to number of exchanges per conversation
- ✓ Able to analyze text through URLs
- ✓ Able to use images in prompts and retrieve images in responses

Cons:

- ✗ Accounts can only be created with Google accounts
- ✗ Occasional inaccurate results
- ✗ Inconsistent citations and “hallucinations”
- ✗ Inability to continue older conversations
- ✗ Limited plugin with other tools
- ✗ Limited integrations with non-Google products
 - ✗ No mobile app
- ✗ Lacks support for file uploads
- ✗ Lack of reasoning skills

Bing Chat

Developed by Microsoft, this generative AI feature to the Bing search engine provides a

paragraph summary in response to prompts. The tool is powered by OpenAI's GPT-4 model. Users may ask follow-up queries to refine results. Although similar to Google Bard and ChatGPT, this tool reliably provides source citations, although erroneous or misleading information can still appear. Users may click on footnotes to verify information.

Pros:

- ✓ Free with Microsoft account
- ✓ Powered by GPT-4 model
- ✓ Real-time data retrieval
- ✓ Analysis and summarization of text
- ✓ Consistent footnote links to sources
 - ✓ Free image generator
- ✓ Three conversation style options
- ✓ Multi-language support
 - ✓ Mobile apps

Cons:

- ✗ Limited to Microsoft Edge or Bing mobile app
- ✗ Short, non-comprehensive answers
 - ✗ Occasional inaccuracies or "hallucinations"
- ✗ Ads appear in some results
- ✗ Limited to 30 responses per conversation
- ✗ Inadequate for creative tasks

ChatGPT

Developed by OpenAI, this platform uses the Generative Pre-training Transformer large language model, which is trained to interact with users in a conversational manner. This dialogue format allows for answering follow-up questions, admitting mistakes, challenging false premises, and rejecting inappropriate requests. While Bard is designed for research, this tool is the better writer.

Pros:

- ✓ Collaborative experience, with ability share to conversations
- ✓ Accounts can be created using any email address
- ✓ Suite of plugin options with third-party applications
 - ✓ Availability of ChatGPT API
 - ✓ Produces long-form content
 - ✓ Provides personalized learning

Cons:

- ✗ Inadequately formatted text
- ✗ Unable to retrieve real-time data
- ✗ Unable to analyze texts in URLs
- ✗ Provides only one answer per prompt
 - ✗ Inconsistent citations and "hallucinations"
- ✗ Lack of reasoning skills
- ✗ Unable to retrieve images

ChatSonic

Developed by Writesonic, this conversational AI tool is powered by OpenAI's GPT-3.5 and GPT-4 to generate text, write emails and code, create digital artwork and images, produce website content, and answer questions and prompts. Using a natural language processing

(NLP) and machine learning algorithms, the platform is a virtual assistant created to address the limitations of ChatGPT. Users can employ the platform in chatbots, messaging platforms, and mobile apps. The pricing model include three packages: Free Trial, Long-form, and Custom Plan.

Pros:

- ✓ Easy to use
- ✓ Personalized chat and conversation management
- ✓ Real-time data retrieval option
 - ✓ Voice command feature
 - ✓ Image generation
- ✓ Support for 20+ languages
- ✓ Offers a mobile app and Google Chrome extension

Cons:

- ✗ Limited free trial access
- ✗ Subscriptions have monthly word limits
- ✗ Limited customization options
 - ✗ Issues with images
 - ✗ Lack of knowledge
- ✗ Repetition of ideas or text
- ✗ Occasional inaccuracies or “hallucinations”

Claude.ai

Developed by Anthropic, this AI conversational agent was designed to be more ethical and safer to use than other chatbots. The beta model may become more suitable for users concerned about chatbots doing objectionable things. In fact, the system has an introspective capability to monitor its own thinking and behavior while avoiding damaging, deceptive, immoral, or unsafe responses. The platform was trained on a broad dataset of online conversations to enable natural language interactions. Utilizing a transformer-based neural network architecture, the tool is able to understand contextual information. With this long context window, the system can work with longer text files and hold an extended conversation.

Pros:

- ✓ Free to use
- ✓ Designed to align with human values
 - ✓ Advanced natural language capabilities
 - ✓ Customizable options
- ✓ Excellent long document capabilities
 - ✓ Integration with third-party applications
 - ✓ Open sourced code
 - ✓ Consistent customer service

Cons:

- ✗ Available only in the U.S. and U.K.
- ✗ Potential risks of advanced AI
- ✗ No access to internet search
 - ✗ Smaller knowledge base
 - ✗ Biases from training data
 - ✗ Privacy concerns
- ✗ Hard to understand failures
 - ✗ Uneven skill quality
- ✗ Limited multi-language support
- ✗ No support for image uploads

Grammarly AI

This AI-powered writing assistant supports users in improving existing content, perfecting grammar, and suggesting edits and revisions. The cloud-based tool acts as a virtual proofreader, and will not create content or generate ideas. Working as a plugin within Google Docs, users may write in numerous formats, such as blog posts, essays, reports, resumes, emails, and entire eBooks, and set specifications on audience and writing goals. The tool will then attempt to match the desired writing style. The website's grammar checker feature remains available. The pricing model includes a free version and two paid options. The Premium version will check for correctness, clarity, engagement, and delivery, and offer word choice suggestions, tone adjustments, whole sentence rewrites, and plagiarism detection.

Pros:

- ✓ User-friendly interface
- ✓ Secure and reliable
- ✓ Needs a human writer
- ✓ Error-free writing
- ✓ Enhanced quality of writing
- ✓ Spelling and grammar checker
 - ✓ Plagiarism detector
- ✓ Google Docs and Microsoft Office plugins
 - ✓ Learner resources

Cons:

- ✗ Inconsistencies in accuracy
- ✗ Issues with sentence fragments intentionally used for creative effect
- ✗ False positives and negatives
 - ✗ Supports English only
 - ✗ Privacy concerns
- ✗ Potential for becoming overly reliant on the tool
- ✗ Struggles with nuanced writing styles and specific terminologies

Jasper.ai

This text and image AI generation platform was developed for business and marketing professionals to work with mass data from specific niche areas, and create marketing copy such as social media captions, blog posts, company bios, ad content, and product descriptions. Users issue commands through a natural language interface, and the GPT algorithm processes a variety of data sources, returns a list of relevant concepts, and creates content based on users' inputs. There are three tiers in the pricing model: Free trial, Starter, and Boss.

Pros:

- ✓ User-friendly interface
- ✓ Guided content creation
- ✓ Automated content production
- ✓ Templates and tutorials
- ✓ Relatively accurate content
- ✓ Integration with Grammarly and other Chrome extensions

Cons:

- ✗ Struggles with technical topics
- ✗ Sufficient number of inaccuracies to warrant fact-checking
- ✗ Credit deductions for auto-generated junk
- ✗ Plagiarism detection costs extra to use
 - ✗ Lacks personality and voice

- ✗ May require heavy editing

Longshot AI

An AI-powered writing assistant with GPT-4 capabilities that provides access to multiple AI search engines and assists users in generating short- and long-form content such as student papers, blog posts, and articles. Features include Content Claim Detection and Fact Checker tools, and FactGPT, a content generator that sources accurate, up-to-date information from user-uploaded content. The pricing structure includes a free plan and three paid subscriptions: Pro, Team, and Agency.

Pros:

- ✓ Free sign-up
- ✓ User-friendly interface
- ✓ Customizable output options
- ✓ Extensive template library
 - ✓ Rapid output
 - ✓ Claim detector
- ✓ Strong focus on accuracy
- ✓ Vast library of templates
- ✓ Chrome extension
- ✓ WordPress plugin
- ✓ Integrates with variety of third-party applications
- ✓ Multi-language support

Cons:

- ✗ Steep learning curve with automation and custom changes
 - ✗ Slow content input
- ✗ Difficult to create a consistent tone and style
- ✗ Algorithm may produce random, inaccurate, or useless content
- ✗ May provide more content than necessary
- ✗ FactGPT uses a lot of credits
- ✗ Tendency to repeat information
- ✗ Limited customer service resources