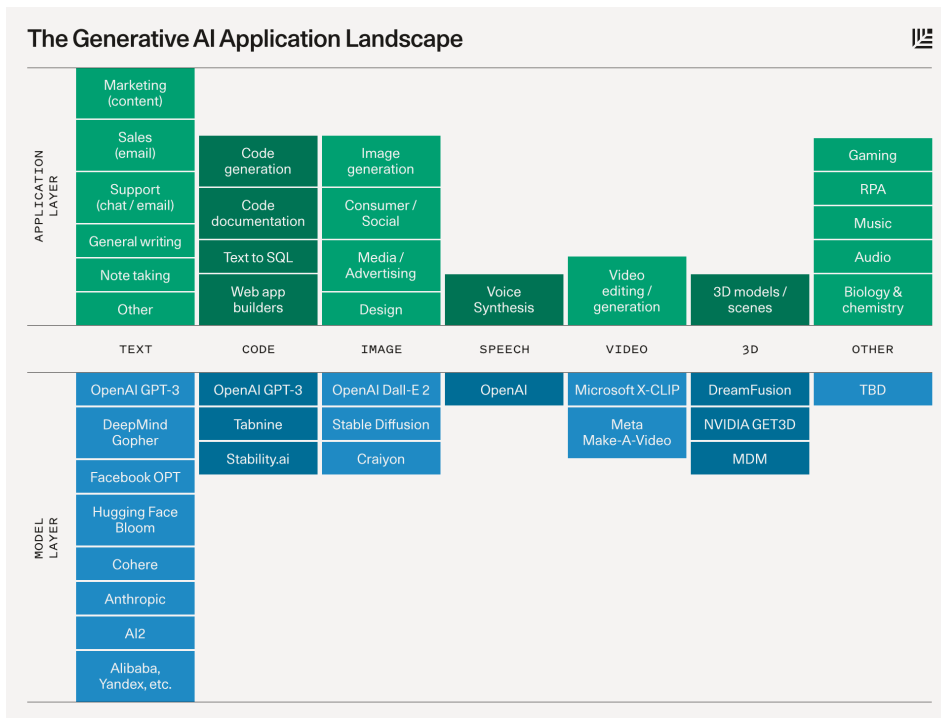


Generative AI: Tools & Landscape

General Overview

Generative AI Tools

Application Landscape



Source: <https://www.sequoiacap.com/article/generative-ai-a-creative-new-world/>

Generative AI Tools

Application Landscape Maturity

	PRE - 2020	2020	2022	2023?	2025?	2030?
TEXT	Spam detection Translation Basic Q&A	Basic copy writing First drafts	Longer form Second drafts	Vertical fine tuning gets good (scientific papers, etc)	Final drafts better than the human average	Final drafts better than professional writers
CODE	1-line auto-complete	Multi-line generation	Longer form Better accuracy	More languages More verticals	Text to product (draft)	Text to product (final), better than full-time developers
IMAGES			Art Logos Photography	Mock-ups (product design, architecture, etc.)	Final drafts (product design, architecture, etc.)	Final drafts better than professional artists, designers, photographers)
VIDEO / 3D / GAMING			First attempts at 3D/video models	Basic / first draft videos and 3D files	Second drafts	AI Roblox Video games and movies are personalized dreams

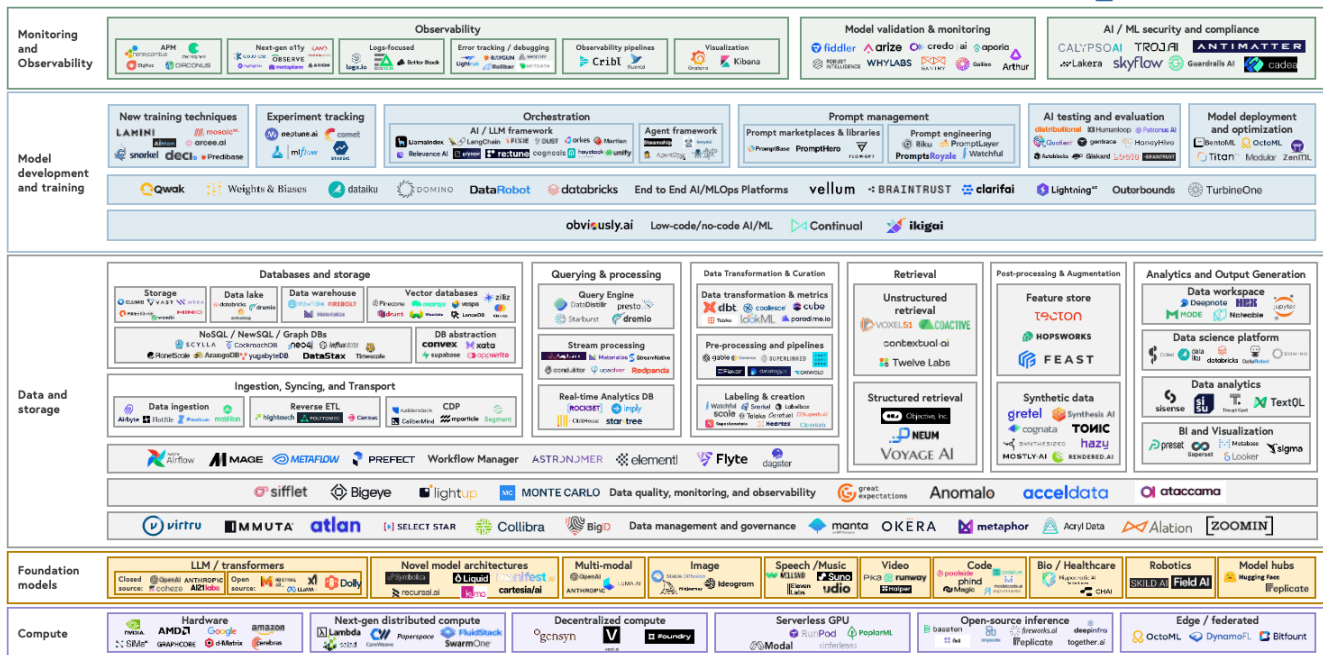
Large model availability: ● First attempts ● Almost there ● Ready for prime time

Source: <https://www.sequoiacap.com/article/generative-ai-a-creative-new-world/>

Generative AI Tools

AI Data and Infrastructure Market Map

The new Data + AI Infrastructure market map



Note: Some companies are repeated across categories if they provide multiple solutions across the stack

Source: <https://nextword.substack.com/p/why-ai-infrastructure-startups-are?ref=dailydev>

Generative AI Tools

Introduction

Chatbots (Text generation)



Claude

Gemini

Text to Code

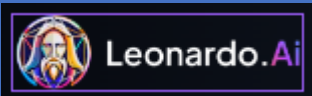


GitHub
Copilot



CURSOR

Text to Image



DALL·E 3

Image to Image



Aragon.ai



fal

Text to Sound / Music

IIElevenLabs

SUNO

Text

Generative AI Tools

Text: NotebookLM

- creates RAG on your document on the fly
- has AI search
- literature review

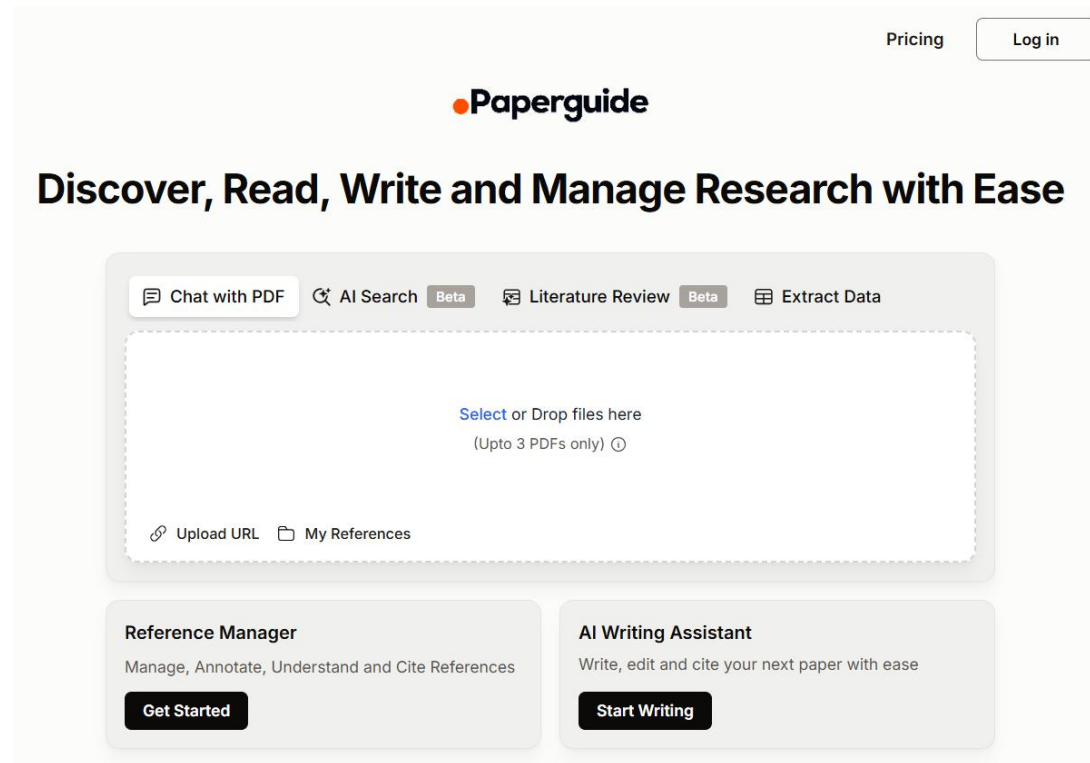
The screenshot displays the NotebookLM interface. At the top, it says '* Notebook-Leitfaden'. Below this, there's a section 'Hilfe beim Erstellen' with buttons for 'Häufig gestellte Fragen', 'Arbeitshilfe', 'Inhaltsverzeichnis', 'Zeitachse', and 'Briefingdokument'. The main content area is titled 'Zusammenfassung' and contains a paragraph of text about ARK Invest and humanoid robots. To the right, there's an 'Audioübersicht' section with a play button and a progress bar showing '00:08 / 10:54'. Below that, 'Vorgeschlagene Fragen' lists three questions about humanoid robots. At the bottom, there's a 'Chat anzeigen' button, a search bar with '1 Quelle' and 'Text eingeben...', and a 'Notebook-Übersicht' button. A small disclaimer at the bottom states 'NotebookLM kann Fehler machen, also überprüfen Sie die Antworten.'

Source: <https://notebooklm.google.com/notebook/dfdabbb2-3529-47a8-ac65-0fce0b8cdde4>

Generative AI Tools

Text: Paperguide

- creates RAG on your document on the fly
- creates a lively podcast of two podcasters discussing the topic

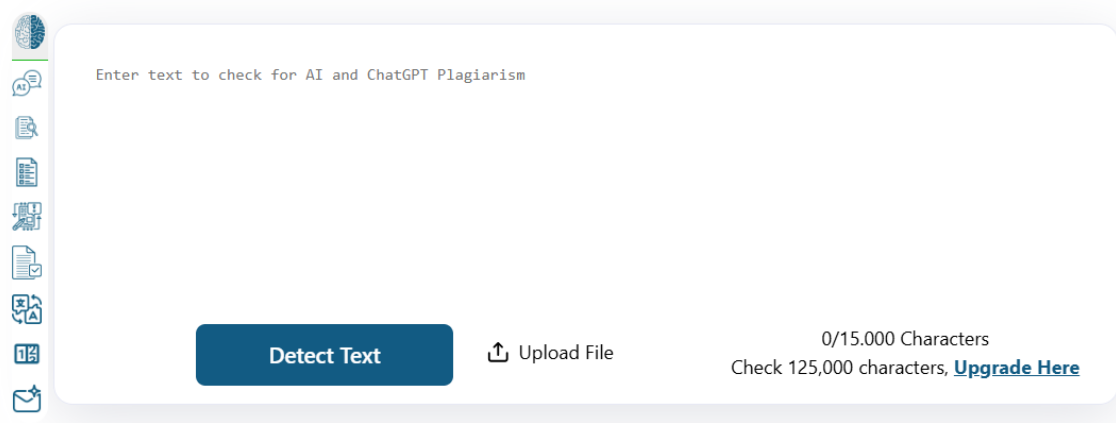


Source: <https://paperguide.ai/>

Generative AI Tools

Text: Zero GPT

- check whether a text was AI generated



The screenshot shows the ZeroGPT web interface. On the left is a vertical sidebar with icons for various tools: a brain (AI detection), a speech bubble, a document with a magnifying glass, a document with a list, a document with a magnifying glass and a checkmark, a document with a magnifying glass and a checkmark, a document with a magnifying glass and a checkmark, a document with a magnifying glass and a checkmark, a document with a magnifying glass and a checkmark, and a document with a magnifying glass and a checkmark. The main area has a large text input field with the placeholder text "Enter text to check for AI and ChatGPT Plagiarism". Below the input field is a blue button labeled "Detect Text". To the right of the button is an "Upload File" option with an upload icon. At the bottom right, it shows "0/15,000 Characters" and a link to "Upgrade Here" to check up to 125,000 characters.

Enter text to check for AI and ChatGPT Plagiarism

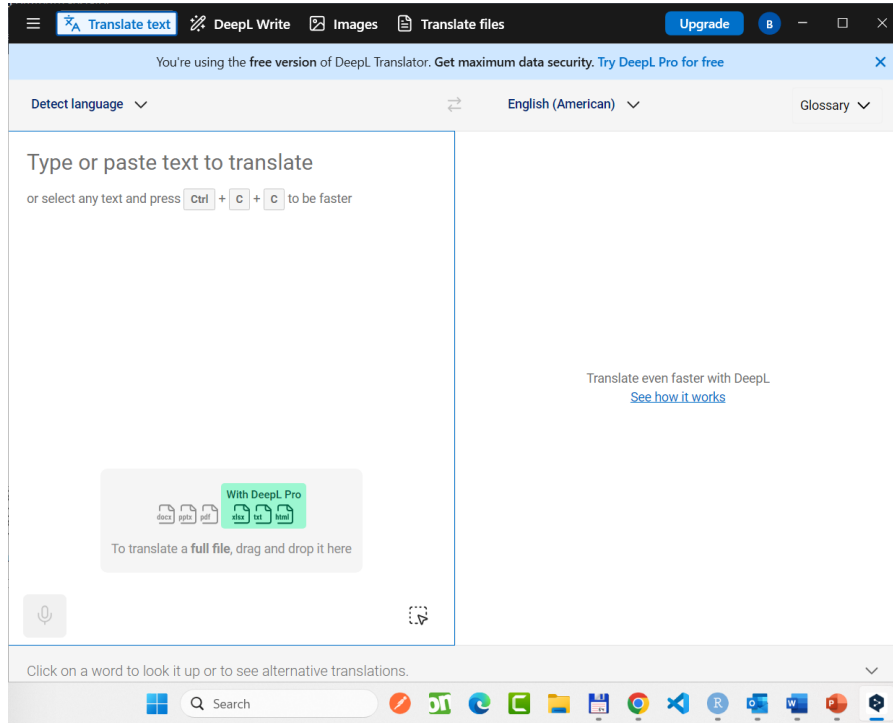
Detect Text Upload File

0/15,000 Characters
Check 125,000 characters, [Upgrade Here](#)

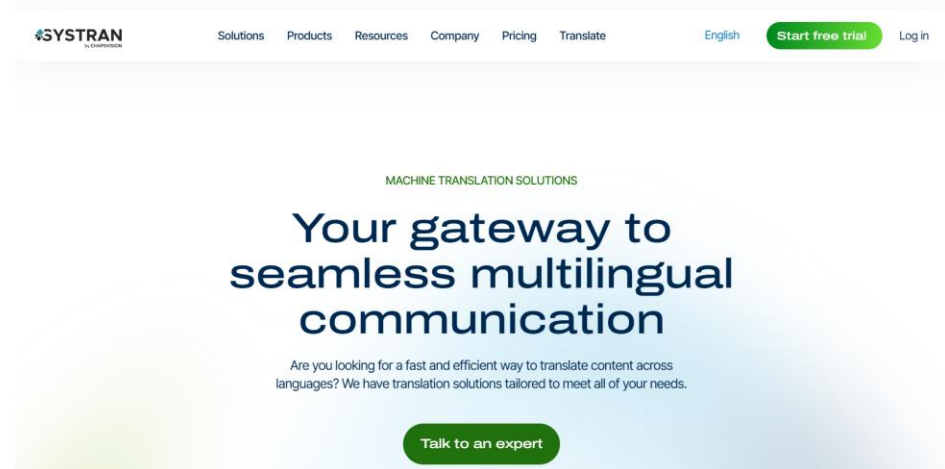
Source: <https://zerogpt.com/>

Generative AI Tools

Text: Translators



Source: <https://www.deepl.com/>



Source: <https://www.systransoft.com/>

Generative AI Tools

Text: Hunch

Hunch is the workspace for AI-first teams.

Use all the top AI models, tackle complex projects, and be more productive—in one place.



Source: <https://hunch.tools/>

Fast Web Research

Fast Web Research

Search Request

Add content...

OUTPUT

Web Research Results

AI's Economic Impact: Key Findings

Summary

Based on multiple authoritative studies, AI is expected to have major economic impacts through:

1. Global Economic Growth: Potential to add \$2.6-4.4 trillion annually in the near term, potentially reaching \$15.7 trillion by 2030

2. Productivity Gains: Expected to drive 0.1-0.6% annual labor productivity growth through 2040

3. Income Inequality: May initially benefit higher-skilled workers and potentially increase inequality

Key Economic Projections

Impact Area

Projected Effect

Re-Run Tool

Ctrl

School & Learning

Generative AI Tools

School & Learning:

- convert content (texts, webpages) directly into quizzes, summaries, ...

Wirkungen von arbeitsverdrängender KI ↺

1 / 10

Was könnte eine mögliche negative Folge des Aufkommens von arbeitsverdrängender KI sein? 🔊

A. Stärkung der Demokratie 🔊

B. Zunahme der sozialen Mobilität 🔊

C. Verlust der sozialen Mobilität 🔊

D. Erhöhung des Einflusses der Bürger 🔊

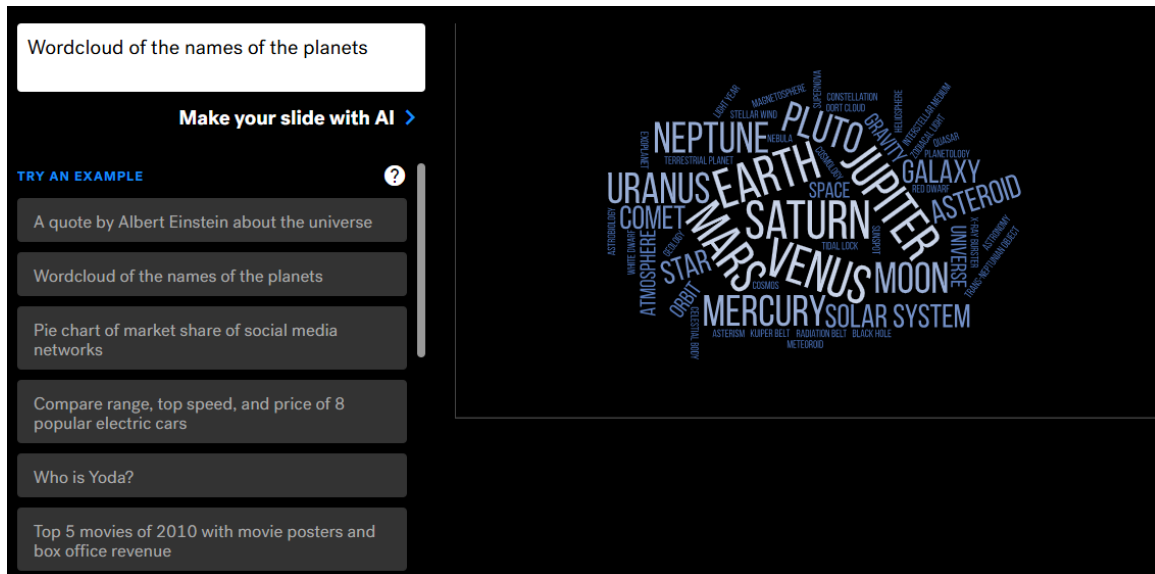
Source: <https://raena.ai/>

Presentations

Generative AI Tools

Presentations

- create presentations online and with AI support



Source: <https://www.beautiful.ai/>

Generative AI Tools

Presentations

- create presentations online and with AI support

A new medium for
presenting ideas.

Powered by AI.

Beautiful presentations, documents, and websites.
No design or coding skills required.

Sign up for free

Source: <https://gamma.app/>

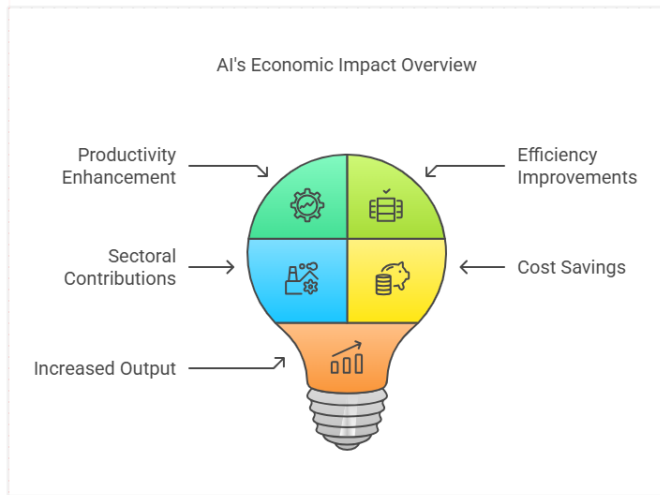
Generative AI Tools

Presentations

- create visuals based on content

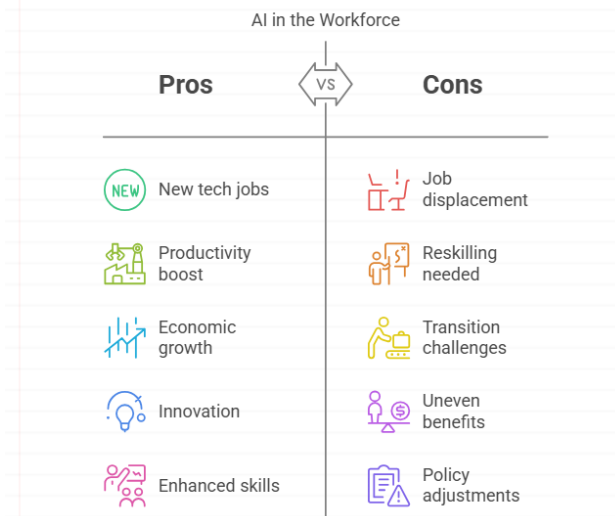
Economic Growth

AI has the potential to significantly boost economic growth by enhancing productivity and efficiency. By automating routine tasks, AI allows businesses to allocate resources more effectively, leading to cost savings and increased output. Studies suggest that AI could contribute trillions of dollars to the global economy in the coming years, particularly in sectors such as healthcare, finance, and transportation.



Labor Markets

The integration of AI into the workforce raises important questions about job displacement and creation. While some jobs may be at risk due to automation, AI also creates new opportunities in tech-driven fields. The challenge lies in reskilling and upskilling the workforce to adapt to these changes. Policymakers must consider strategies to support workers transitioning into new roles, ensuring that the benefits of AI are widely shared.



Source: <https://napkin.ai/>

Images & Video

Generative AI Tools

Text2Image: Leaderboard

🧑‍🤖 Spaces ArtificialAnalysis/Text-to-Image-Leaderboard 📄 like 261 🟢 Running

📱 App 📁 Files 🧑‍🤖 Community 3 ⓘ

Artificial Analysis Text to Image Model Leaderboard

Quality evaluation of Text to Image Models based on the Image Arena of crowdsourced preferences.

To participate in the Image Arena see the Image Arena tab. You will also be able to see your own personal model ranking after 30 submissions.






For further details on [methodology](#) and analysis of speed & price, see [artificialanalysis.ai](#).

Leaderboard

Image Arena

Personal Arena Leaderboard

TEXT TO IMAGE MODEL LEADERBOARD 🚩

CREATOR	NAME	ARENA ELO	ARENA WIN RATE	# SELECTIONS
 Recraft AI	Recraft V3	1169	72%	39618
 Black Forest Labs	FLUX1.1 [pro]	1135	67%	51641
 Black Forest Labs	FLUX.1 [pro]	1114	66%	55497
 Midjourney	Midjourney v6.1	1098	63%	52332
 Ideogram	Ideogram v2	1094	63%	52013

Source: <https://huggingface.co/spaces/ArtificialAnalysis/Text-to-Image-Leaderboard>

Generative AI Tools

looka.com



[Logo Maker](#)

[Brand Kit](#)

[How It Works](#)

[Reviews](#)

[Logo Ideas](#)

[Blog](#)

[Log in](#)

[Sign up](#)

Free Logo Maker

Looka Logo Maker combines your logo design preferences with Artificial Intelligence to help you create a custom logo you'll love. All it takes is a few clicks and five minutes.

Enter your company name

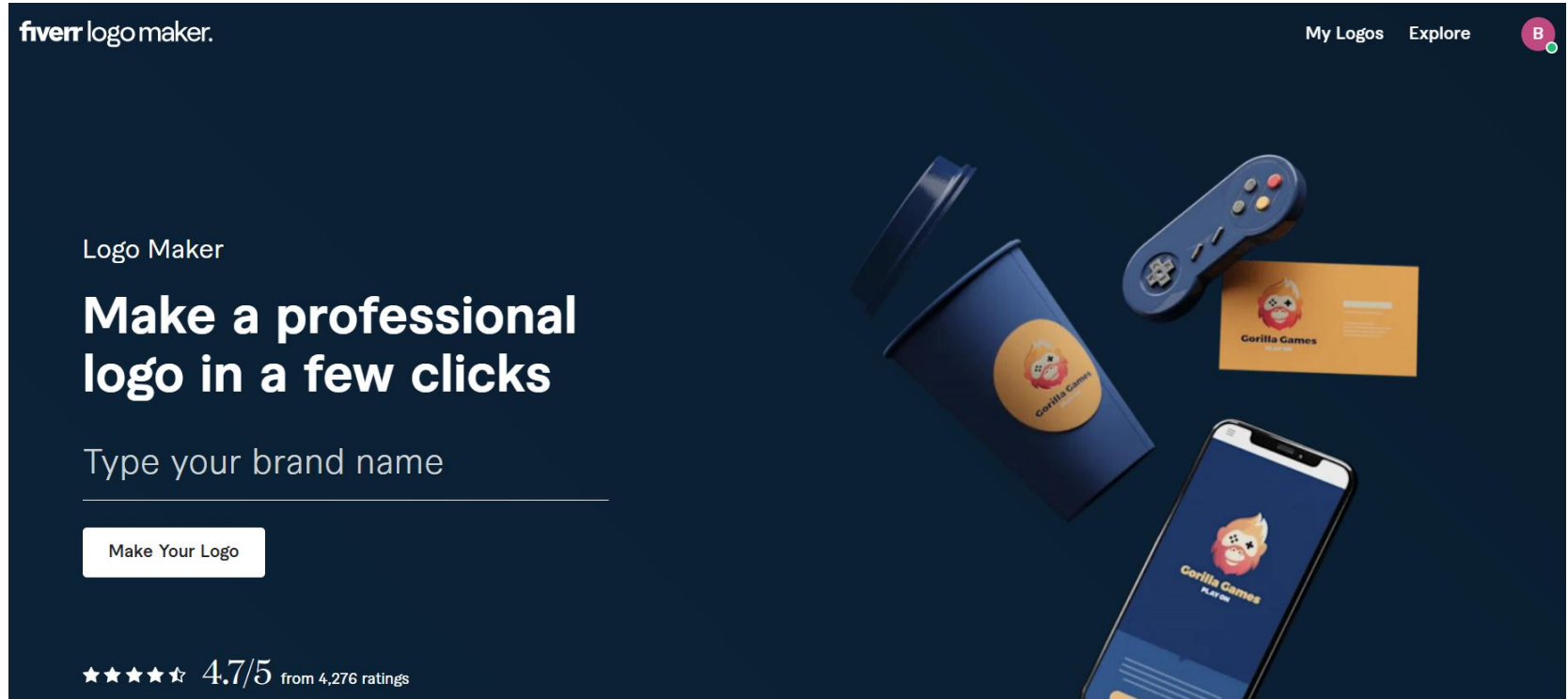
Let's make a logo!



create branding content like logos

Generative AI Tools

looka.com



The screenshot displays the Fiverr Logo Maker interface. At the top left is the 'fiverr logo maker.' logo. At the top right are links for 'My Logos' and 'Explore', and a user profile icon with the letter 'B'. The main heading reads 'Logo Maker' followed by 'Make a professional logo in a few clicks'. Below this is a text input field with the placeholder 'Type your brand name' and a 'Make Your Logo' button. At the bottom left, there is a star rating of 4.7/5 from 4,276 ratings. On the right side, a 3D mockup of a brand identity kit is shown, including a blue cup with a yellow circular logo, a blue game controller, an orange business card, and a smartphone displaying the logo and the text 'Gorilla Games PLAY ON'.

fiverr logo maker.

My Logos Explore

B

Logo Maker

Make a professional logo in a few clicks

Type your brand name

Make Your Logo

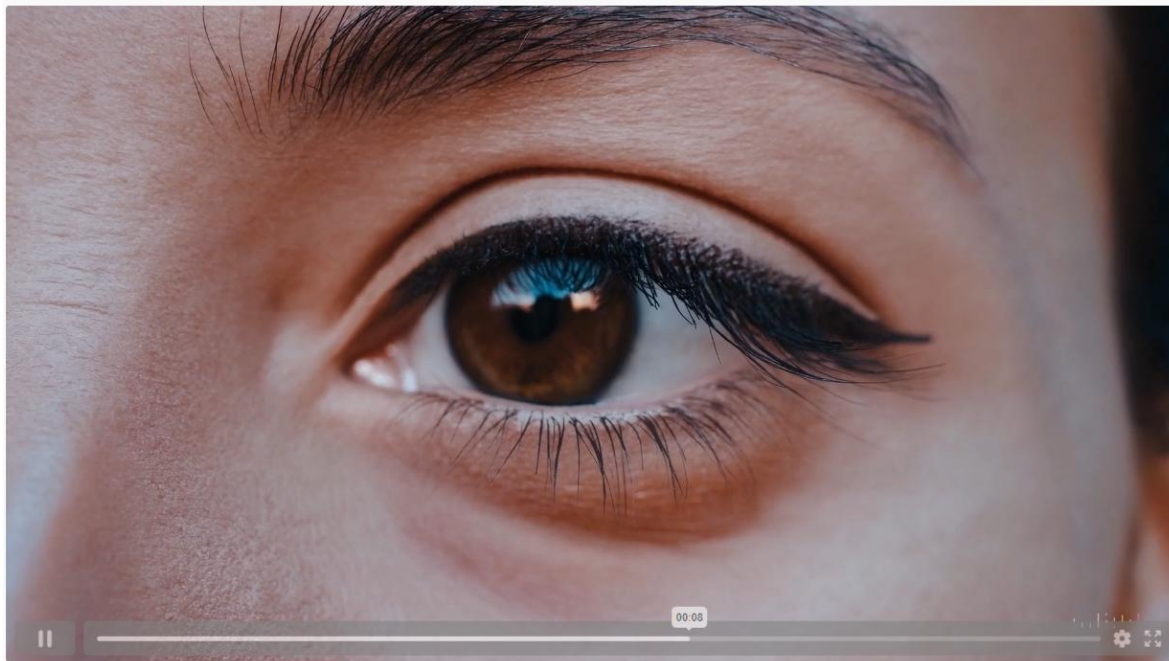
★★★★☆ 4.7/5 from 4,276 ratings

Gorilla Games
PLAY ON

<https://www.fiverr.com/logo-maker>

Generative AI Tools

Text2Video: Open AI Sora



Prompt: Extreme close up of a 24 year old woman's eye blinking, standing in Marrakech during magic hour, cinematic film shot in 70mm, depth of field, vivid colors, cinematic

Source: <https://openai.com/index/sora/>

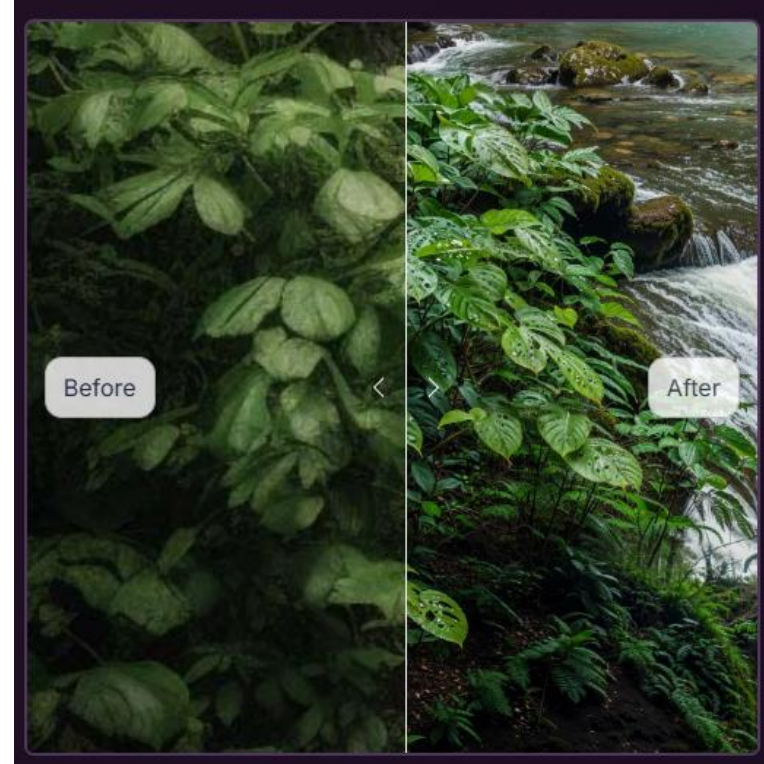
Generative AI Tools

Text2Video: Magnific

- upscale, transform and generate images



Source: <https://magnific.ai/>



Generative AI Tools

Text2Video: Microsoft Talking Faces



Source: <https://www.microsoft.com/en-us/research/project/vasa-1/>

Generative AI Tools

Text2Image: Finetuned Text to Image Model



Generative AI Tools

Text2Video



Image (AI generated)

a video showing an astronaut in a spacesuit floating gracefully inside a modern space station. The astronaut should appear relaxed, moving slowly as they float weightlessly, occasionally reaching out to gently push off walls or grab onto handrails. The background should include details of the space station's interior, with cables, control panels, and ambient lighting adding to the realistic feel. The video should convey the calm, serene experience of zero gravity as the astronaut navigates through the station.

Prompt (AI generated)

wait for it

Generative AI Tools

Text2Video



Generative AI Tools

Text2Video (fal.ai)



Image (AI generated)

the dog turns the head to watch the gladiator. the gladiator walks towards the dog. the focus gradually changes from dog to gladiator

Prompt (AI generated)



Model: fal-ai/minimax-video/image-to-video

Generative AI Tools

Video2Video (runwayml.com)



Video (AI generated)

zoom 3D cartoon, professionally rendered with volumetric lighting and shadows, [your prompt here] in the style of professional 3D render, expressive features, 3D ray traced lighting and shadows, high fidelity 3D cartoon render.

Prompt (AI generated)



Source: runwayml

Generative AI Tools

Video2Video (runwayml.com)



Driving Performance

Generated Character Animations

Source: <https://runwayml.com/research/introducing-act-one>

Generative AI Tools

AI Video (klingai.com)




 Sign in for free credits


API Calls


NEW

Sign In


 Home

 Community

 AI Images

 AI Videos

My Space

 My Creatives

KLING AI, SPARK YOUR IMAGINATION

Next-Generation AI Creative Studio

AI Images

Powered by KOLORS®



AI Videos

Powered by KLING®

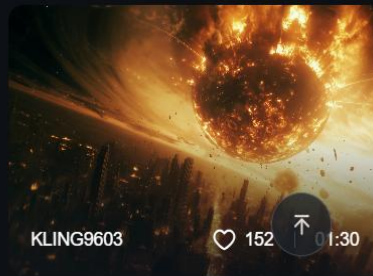
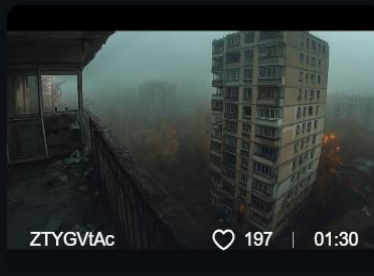
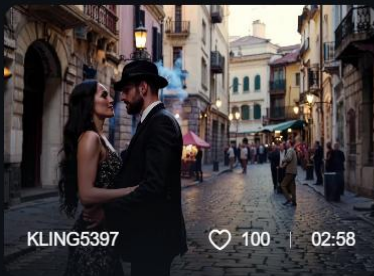
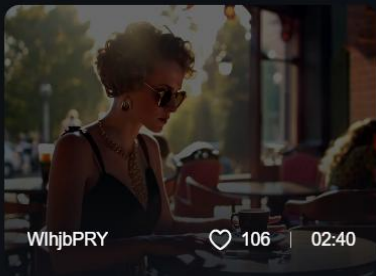


Video Editor

The feature is coming! We'll share with you soon.

Trending Shorts

More >



Release Notes

Generative AI Tools

AI Video (<https://byteaigc.github.io/X-Portrait2/>)

X-Portrait 2: Highly Expressive Portrait Animation

Xiaochen Zhao^{1,2}, Hongyi Xu¹, Guoxian Song¹, You Xie¹, Chenxu Zhang¹, Xiu Li¹, Linjie Luo¹, Jinli Suo², Yebin Liu²,

¹ByteDance Inc., ²Tsinghua University



Generative AI Tools

Synthesia



Music

Generative AI Tools

Music Generation (suno.com)

SUNO

Home

Create

Library

Explore

Search

Invite Friends

520 Credits

Subscribe

What's New?

Help

About

Careers

Notifications



Library

Songs

Playlists

Following

Followers

History

Scenes

Liked

Public

Search by song name, style or lyrics

Upload Audio

1



Odyssey's Heartbeat v3.5
cinematic orchestral dramatic

Extend

Public



Magical Adventures v3.5
upbeat pop fantastical

Extend

Public



Magical Adventures v3.5
upbeat pop fantastical

Extend

Public



Epic Odyssey v3.5
cinematic grand rock

Extend

Public



Magical Adventures
BertGollnick | 00:02 / 01:34



Magical Adventures

upbeat pop fantastical



BertGollnick

20. September 2024 um 7:27



[Instrumental]

Generative AI Tools

Music Generation (udio.com)




Check out some of the the amazing
work artists have created with Udio



AI Search

Generative AI Tools

AI Search (perplexity.ai)

 **perplexity**

New Thread

Ctrl I

Home

Discover

Library


Sign Up

Log in


Now

Black Fungus is Healing Chernobyl

Black Fungus is Healing Chernobyl




Sources




Healing Power of Mushrooms: What Chernobyl's Mysterious...

yinnovacenter · 1




A Black fungus is healing Chernobyl by absorbing nuclear radiation!

timesofindia.india... · 2




Radiotrophic fungus - Wikipedia

en.wikipedia · 3



View 5 more

 **Perplexity**

The discovery of radiation-absorbing black fungi in Chernobyl has revealed fascinating insights into the adaptability of life and potential applications for environmental remediation and space exploration.

The Remarkable Black Fungi of Chernobyl


In 1991, researchers discovered a jet-black fungus growing inside the remains of the Chernobyl nuclear reactor ¹ ⁴. This fungus, later identified as *Cladosporium sphaerospermum*, exhibited an extraordinary ability to thrive in the highly radioactive environment ².

Melanin: The Key to Radiation Absorption

The secret to these fungi's radiation resistance lies in their high melanin content ¹ ³. Melanin, the same pigment that gives human skin its color, plays a crucial role in protecting the fungi from radiation damage. More remarkably, these fungi can convert radiation into energy, with melanin acting as a biological solar panel of sorts ¹ ⁵.


Radiotropism and Growth

Studies have shown that these melanin-rich fungi exhibit "radiotropism" - the tendency to grow towards sources of ionizing radiation ³. In fact, some fungi were observed to grow fa





Ask follow-up


Pro



Potential Applications

 Search Images

 Search Videos

 Generate Image

+

+

+

Generative AI Tools

OpenAI (chat.com)

ChatGPT ▾

wie entwickelt sich ethereum?



Searched 3 sites ^



"aktueller Stand Ethereum Entwicklung 2024"

bing.com



BeInCrypto — Ethereum Prognose 2024 — 2027: ETH Kursausblick & langfristige Vorhersage —...

de.beincrypto.com



99Bitcoins — Ethereum Prognose 2024: ETH Prognose aktuell & bis 2030

99bitcoins.com



Bitcoin2Go — Ethereum Kurs Prognose: 2024, 2025 und 2030

bitcoin-2go.de

web search

Ethereum zeigt sich derzeit als stabile und etablierte Plattform im Kryptomarkt und verzeichnet seit Anfang 2024 einen Kursanstieg von etwa 50 %. Aktuell bewegt sich der Preis um die 2.900 USD-Marke. Der Kurs profitierte von wachsender institutioneller Akzeptanz, wie z.B. der Genehmigung für Krypto-ETFs und der Kryptoverwahrung durch ↓ Be Banken, was das Vertrauen in Ethereum stärkt. Allerdings bleibt der Markt durch globale wirtschaftliche Unsicherheiten und die Zinspolitik der

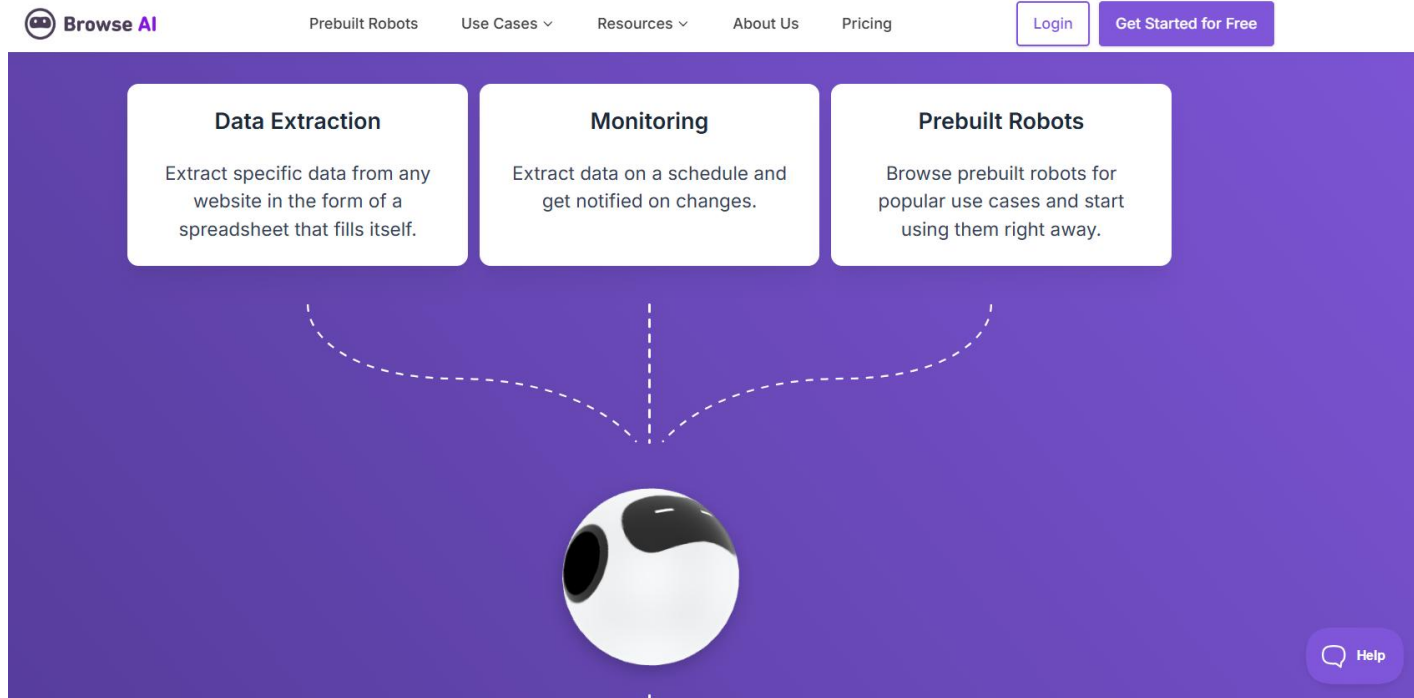


Message ChatGPT



Generative AI Tools

browse.ai



The image shows the homepage of the Browse AI website. The header is dark blue with the 'Browse AI' logo on the left and navigation links for 'Prebuilt Robots', 'Use Cases', 'Resources', 'About Us', and 'Pricing' in the center. On the right, there are 'Login' and 'Get Started for Free' buttons. The main content area has a purple background and features three white boxes: 'Data Extraction' (describing data extraction into spreadsheets), 'Monitoring' (describing scheduled data extraction and notifications), and 'Prebuilt Robots' (describing browsing prebuilt robots for use cases). Dashed white lines connect these three boxes to a central white and black robot head icon at the bottom. A 'Help' button is located in the bottom right corner.

Browse AI

Prebuilt Robots Use Cases Resources About Us Pricing Login Get Started for Free

Data Extraction
Extract specific data from any website in the form of a spreadsheet that fills itself.

Monitoring
Extract data on a schedule and get notified on changes.

Prebuilt Robots
Browse prebuilt robots for popular use cases and start using them right away.

Help

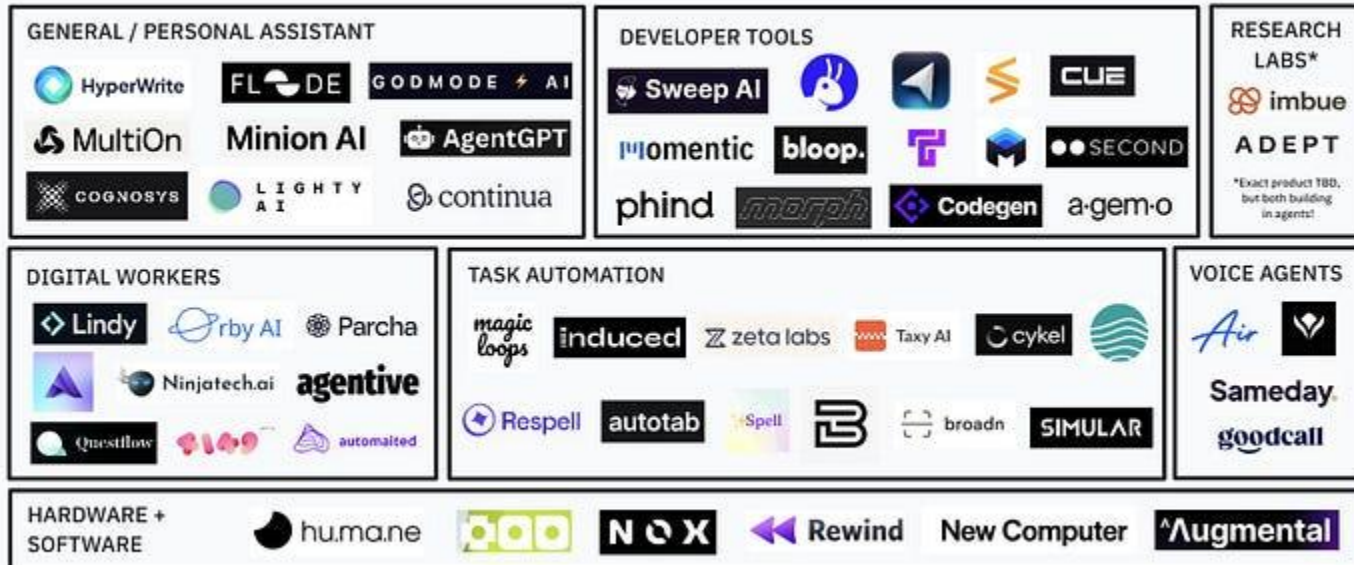
scrape websites via robot

Agents

Generative AI Tools

AI agents

AI Agents Market Map - December 2023



@omooretweets

Source: <https://towardsdatascience.com/navigating-the-ai-landscape-of-2024-trends-predictions-and-possibilities-41e0ac83d68f>

Generative AI Tools

bolt.new

bolt

Modern Snake Game Implementation

Download

Open in StackBlitz

Deploy



develop a snake game

I'll create a beautiful and modern Snake game with a sleek UI, score tracking, and smooth controls.

Modern Snake Game Implementation

- ✓ Create initial files
- ✓ Install dependencies

```
npm install
```

Create `src/components/Game.tsx`

How can Bolt help you today?



Code Preview

Files

src

Game.tsx

App.tsx

index.css

main.tsx

vite-env.d.ts

.gitignore

eslint.config.js

index.html

package-lock.js...

package.json

postcss.config.js

tailwind.config.js

tsconfig.app.json

src > components > Game.tsx

```
1 import React, { useState, useEffect, useCallback } from 'react';
2 import { Trophy, Play, RotateCcw } from 'lucide-react';
3
4 type Position = {
5   x: number;
6   y: number;
7 };
8
9 const GRID_SIZE = 20;
10 const CELL_SIZE = 20;
11 const INITIAL_SPEED = 150;
12
13 export default function Game() {
14   const [snake, setSnake] = useState<Position[]>([{ x: 10, y: 10 }]);
15   const [food, setFood] = useState<Position>({ x: 15, y: 15 });
16   const [direction, setDirection] = useState<string>('RIGHT');
17   const [gameOver, setGameOver] = useState<boolean>(false);
18   const [score, setScore] = useState<number>(0);
19   const [highScore, setHighScore] = useState<number>(0);
20   const [isPaused, setIsPaused] = useState<boolean>(true);
21 }
```

Bolt

Terminal

+

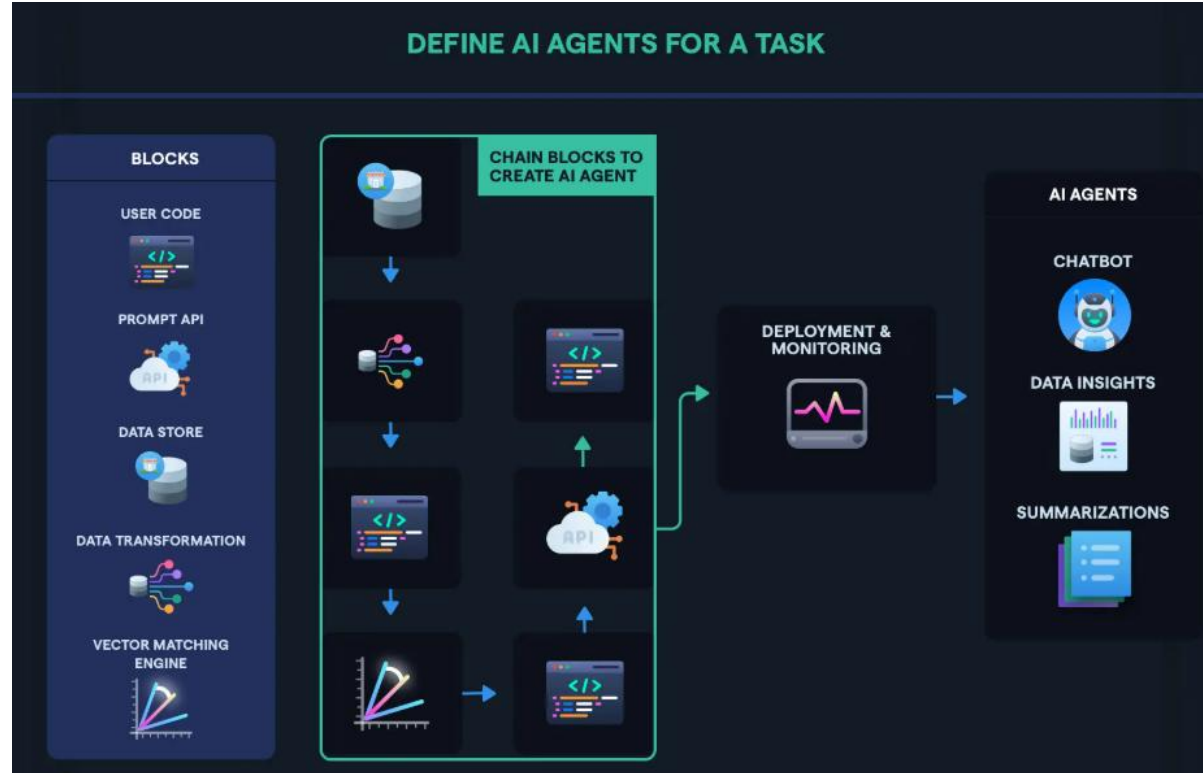
run 'npm fund' for details

```
~/project 8s
>
```

Generative AI Tools

Abacus AI

multiple products on LLM,
Agents, and more



Source: <https://abacus.ai/>

Gaming

Generative AI Tools

Open world AI generated (oasis.decart.ai)

OASIS 



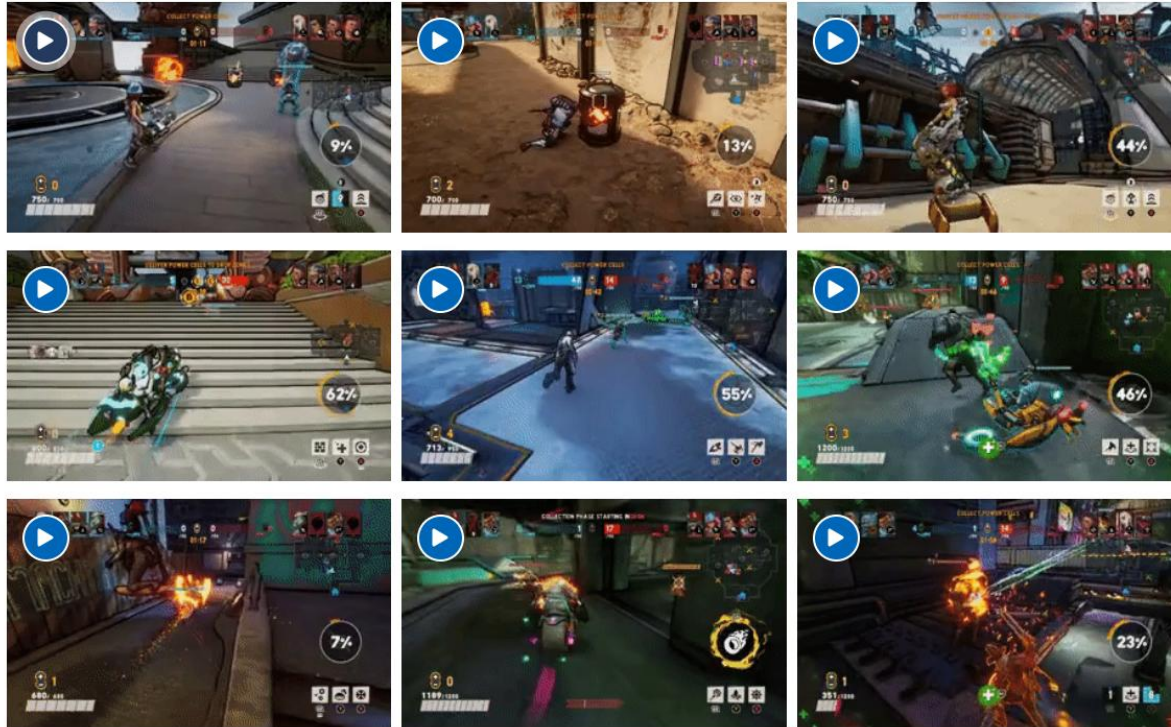
You're about to enter a first-of-its-kind video model, a game engine trained by millions of gameplay hours. Every step you take will shape the environment around you in real time.

NEXT →

Generative AI Tools

Microsoft World and Human Action Model (WHAM)

Generated gameplay examples



Source: [Introducing Muse: Our first generative AI model designed for gameplay ideation - Microsoft Research](#)

Job Search

Generative AI Tools

kickresume

create beautiful resume
with AI

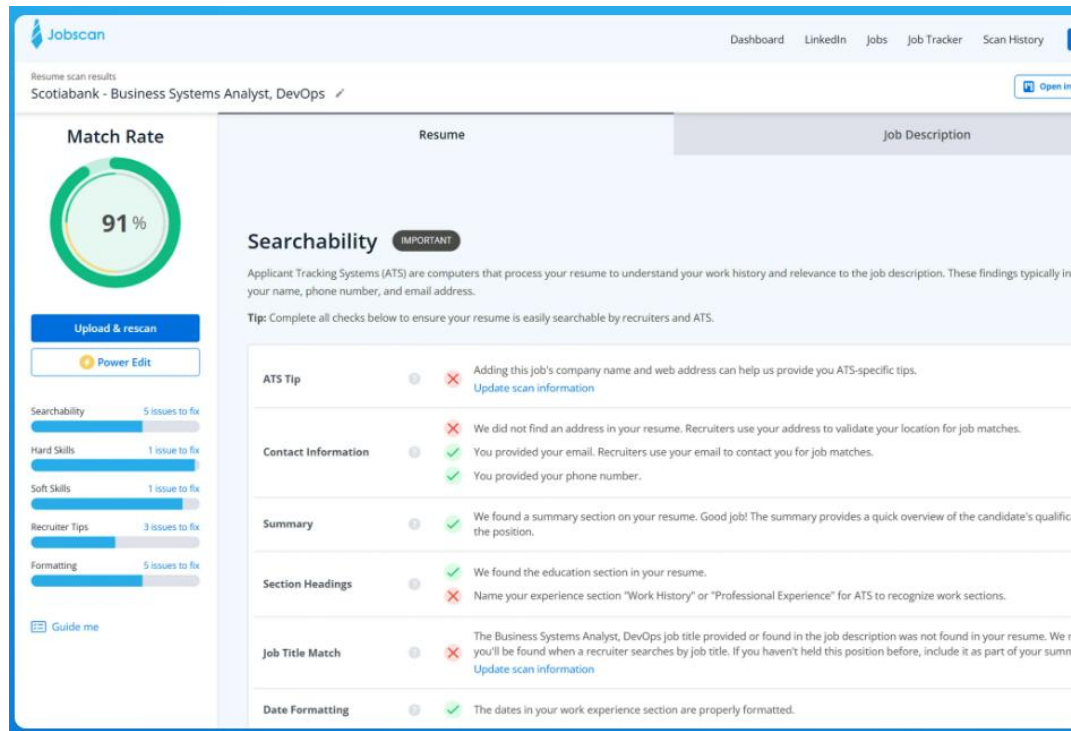


Source: <https://www.kickresume.com/en/>

Generative AI Tools

Jobscan

optimize resume
highlight key experiences
get score for matching to
job requirements



Source: <https://www.jobscan.co/>

Robotics

Generative AI Tools

Robot learns to walk in 2 days



Source: <https://x.com/i/status/1852246146049282531>

Generative AI Tools

Robot with sense of touch (<https://ai.meta.com/blog/fair-robotics-open-source/>)



Our approach ▾

Research ▾

Product experiences ▾

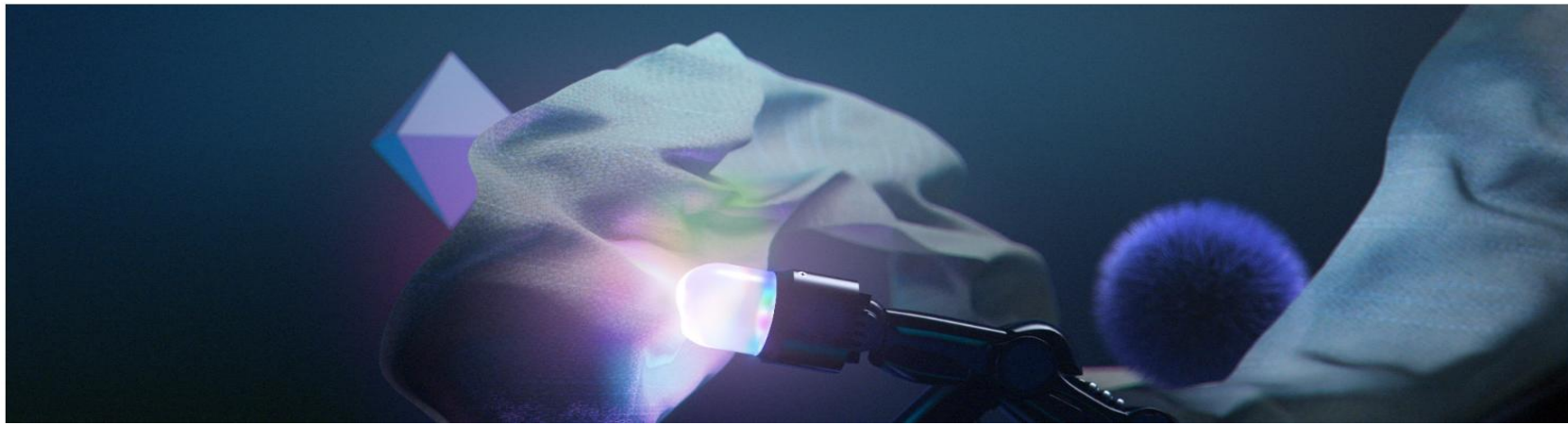
Llama

Blog

Try Meta AI

Advancing embodied AI through progress in touch perception, dexterity, and human-robot interaction

October 31, 2024 • ⌚ 11 minute read



Generative AI Tools

Finetuned Text to Image Model

Don't trust anything you read, hear, or see.
Welcome to the future!

