SEPARATING SUBSTANCE FROM HYPE: A PRACTICAL APPROACH TO AI IN AEC



IDA CHEINMAN, SUBSTANCE151

@IdaCheinman @Substance151



IF YOU THINK TECHNOLOGY WILL SOLVE YOUR PROBLEMS, YOU DON'T UNDERSTAND TECHNOLOGY — OR YOUR PROBLEMS.

LAURIE ANDERSON

Avant-garde artist, musician and filmmaker



TOP DISRUPTORS IN THE A/E/C SPACE

- Generational hand-off
- 2 Rising customer expectations ("business consumer")
- Digital transformation and Generative Al



EVERYONE TALKS ABOUT HOW DISRUPTIVE TECHNOLOGY IS BUT THE CUSTOMER IS THE DISRUPTIVE FORCE.

TIFFANI BOVA

Global Customer Growth & Innovation, Salesforce



AI REVOLUTION

DON'T WAIT FOR THE WORLD TO GET SMARTER AROUND YOU.

PAUL ROETZER

Founder, Marketing Al Institute

HOW AI CAN HELP MARKETERS

- Research and Analysis
- 2 Testing and Optimization
- Personalization
- 4 Search (SEO/SEM)
- Content and Communications

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• PERSONALIZATION IS A MUST-HAVE STRATEGY IN THE FUTURE OF B2B MARKETING.

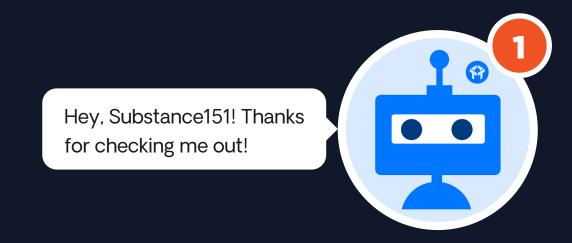
JESSICA COLLIER

Web Conversion Strategist, Citrix





CONVERSATIONAL MARKETING



MAKE SURE YOUR FIRM CAN BE FOUND ONLINE

68%

CITE ONLINE SEARCH AS THEIR #1 SOURCE OF INFORMATION **75%**

START WITH A
GENERIC SEARCH TERM
(not your firm's name)

12+

SEARCHES BEFORE ENGAGING







Videos News Books Maps

: More

Shopping

Tools



A "Google Al Overview" refers to a feature within Google Search that uses artificial intelligence (Al) to provide a concise summary of information related to a search query, essentially offering a quick answer by pulling data from various sources across the web, presented in a short paragraph format; previously known as "Search Generative Experience (SGE)," it aims to deliver faster and more accessible information to users through generative Al technology.

Key points about Google Al Overview:

Function:

It generates a summary of information related to a search query, pulling data from various sources to provide a quick overview.

Technology:

Powered by Google's generative AI models, which can learn patterns and create new information based on vast datasets.

Benefits:

Allows users to quickly grasp the key points of a topic without needing to navigate multiple websites.

Access:

Appears in Google Search results when the system determines that a generative response would be helpful.

Recent Changes:

Previously called "Search Generative Experience," Google has transitioned to using the term "Al Overview".

Generative AI in Search: Let Google do the searching for you

Learn more :

May 14, 2024 — Ask your most complex questions. With our custom Gemini model's multi-step reasoning capabilities, Al...

G The Keyword

Find information in faster & easier ways with Al Overviews in Google ...

Al Overviews are a core Google Search feature, like knowledge panels. ... Al Overviews use generative Al, which is a type of...

G Google Help

Al Overviews and Your Website | Google Search Central

Al Overviews appear in Google Search results when our systems determine that generative responses can be especiall...

G Google for Developers

Show all



MASTERING AI

YOU CAN'T USE 20TH-CENTURY TOOLS TO SOLVE 21ST-CENTURY PROBLEMS

INHERENT ISSUES

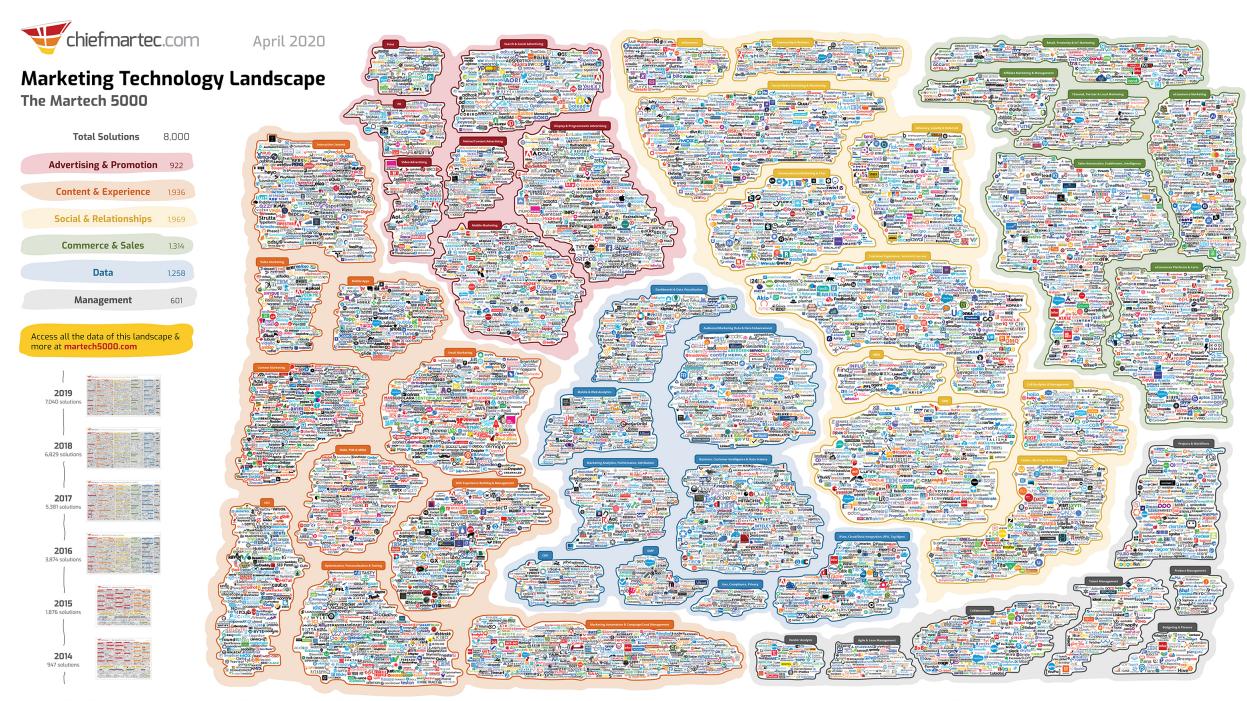
- Data privacy and security
- + Misinformation
- + Hallucinations

- + Plagiarism
- + Copyright
- + Bias, ethics and trust

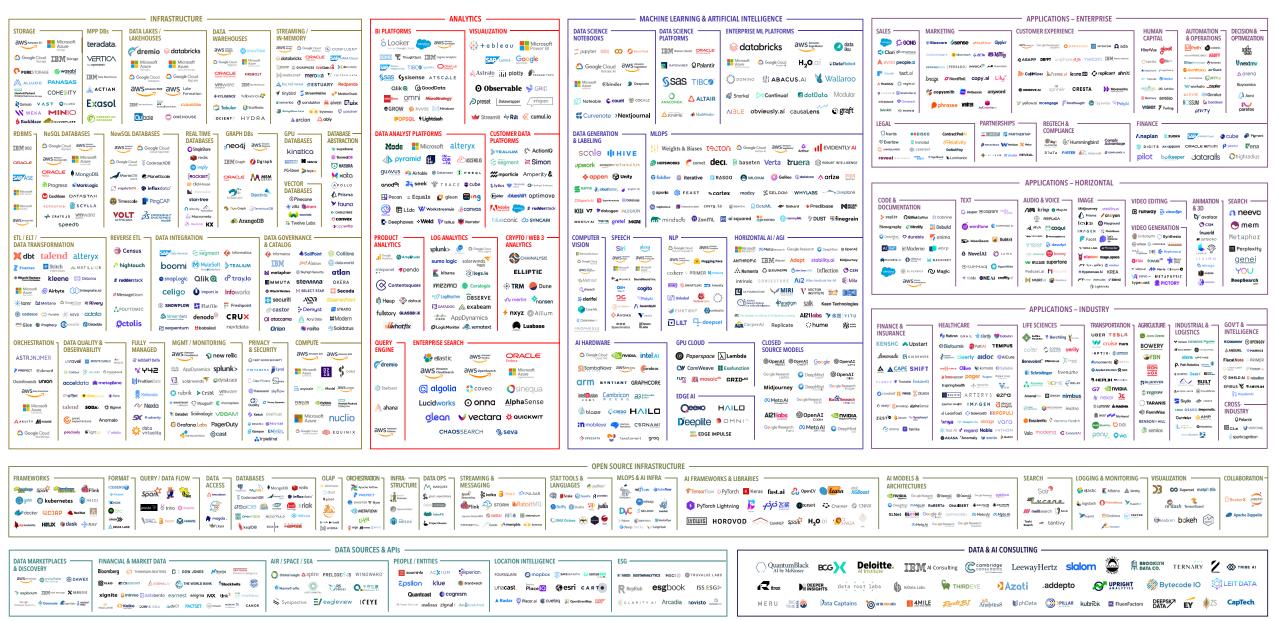


CONTENT AUTHENTICITY STATEMENT

XX% of this [e.g., article] was generated by human authors. Generative AI was used to [e.g., generate the images for the article].



THE 2023 MAD (MACHINE LEARNING, ARTIFICIAL INTELLIGENT& DATA) LANDSCAPE





A PRACTICAL APPROACH TO AI

THE RIGHT TOOLS FOR THE RIGHT NEEDS AT THE RIGHT TIME IN YOUR WORKFLOW



WHAT GEN AI CAN DO

- + Faster and better research
- + Data extraction and analysis
- + Translation and transcription
- + Idea generation and outlines
- + Copy editing and rewrites
- Meeting notes and summaries

- + Image and video editing
- + Headlines and subject lines
- + Social media posts
- + Email communications
- + Presentations
- + SEO optimization and edits

WHAT GEN AI IS TERRIBLE AT

- + Original thinking
- + Unique point of view
- + Expertise
- + Customer empathy

TEXT

ChatGPT

Claude

Google Gemini

Writer

Copy.ai

Jasper

VISUALS

Midjourney

ClipDrop

Adobe Firefly

Secta Labs

(Headshots)

Beautiful.ai

(Presentations)

VIDEO

Descript

HeyGen

Runway

Synthesia

Vidyo

Loom

VEED

ADMIN

Grammarly

Otter

Krisp

Notion

+ AI FEATURES

Microsoft

Adobe Creative Suite

Salesforce

HubSpot

MailChimp

OpenAsset

Canva

iStock

And more!



CHAT.OPENAI.COM



FREE

GPT 3.5 / LIMITED 4



PLUS - \$20/MO

GPT 4 / O1 PREVIEW

Far better quality of output

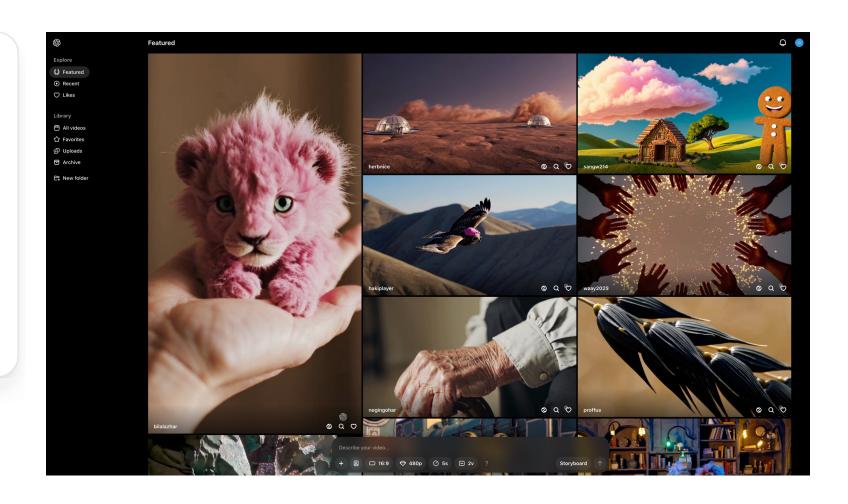
Extended capabilities

Access to beta features

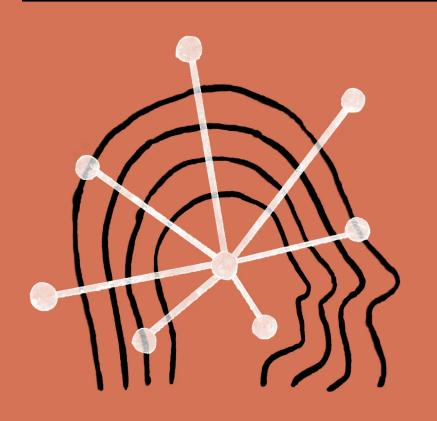


- Tasks BETA
- My GPTs
- Customize ChatGPT
- Settings
- Download the macOS app





CLAUDE.AI/CHATS



FREE; CLAUDE PRO - \$20/MO

Large volumes of text, faster.

Great for summaries (long transcripts, multiple source documents).

More intelligent and offers better performance on complex tasks.



Jasper WRITER copy.ai

- + Fit for larger content teams
- More robust and sophisticated features
- + Connect to your firm's data

- Brand style enforcement,
 trained on your brand guidelines
- + Content templates

MY SAMPLE WORKFLOW



TRANSCRIBE MY ORIGINAL VIDEO RECORDING





SUMMARIZE WITH 3-5 TAKEAWAYS



BRAINSTORM HEADLINES



EDIT (HUMAN)

USE AS A VIDEO DESCRIPTION

LINKEDIN POST



HOW TO MAKE A BETTER PROMPT

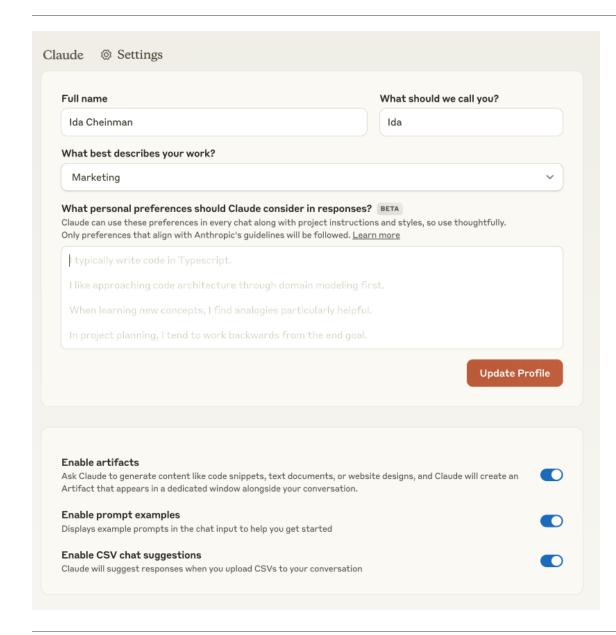
- + Role: You are/you will act as
- + Audience: Who this is for/persona
- + Task: What/format/goals/details
- + **Style:** Brand voice/writing example(s)
- + Do/Don't: What you want/don't want AI to do

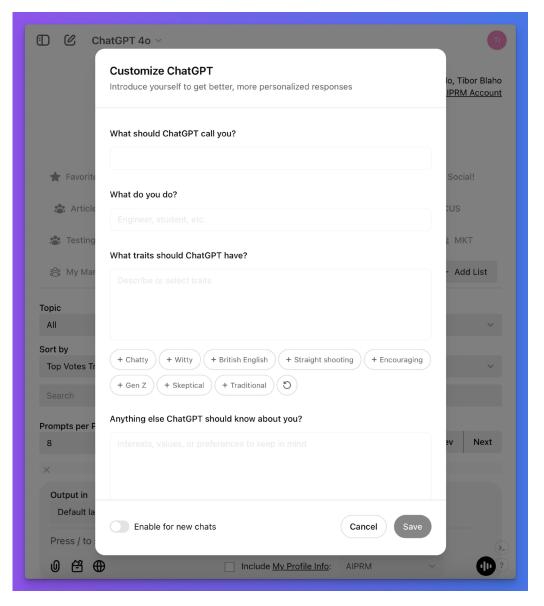


STYLE

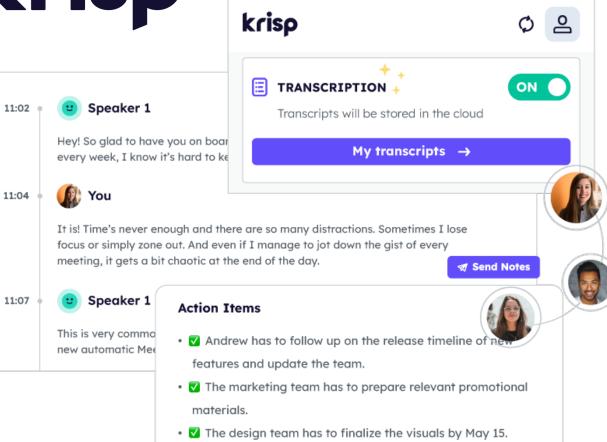
- Use a detailed description of the style within your prompts
- + Ban Al-sounding phrases
- + Upload your brand style guide
- + Provide examples of your firm's writing





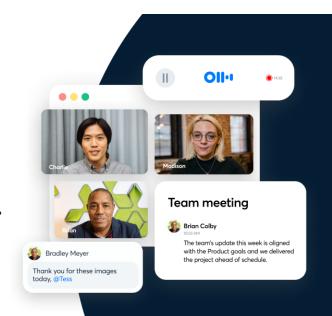






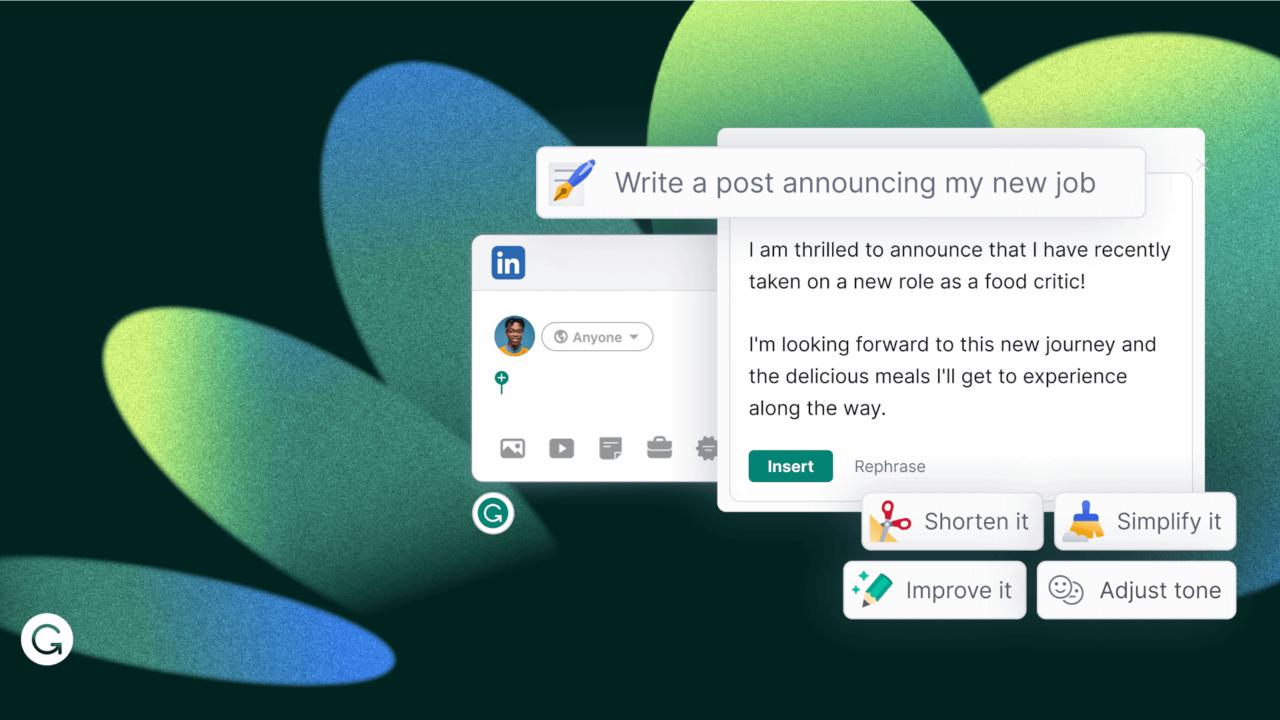
Otter.ai

A better way to meet. Meet Otter.









What will you make today?







Try these out

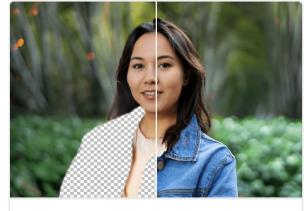
Experiment with the latest in generative AI and let us know what you think.



Text to image

Generate images from a detailed text description.

Generate



Generative fill

Use a brush to remove objects, or paint in new ones from text descriptions

Generate

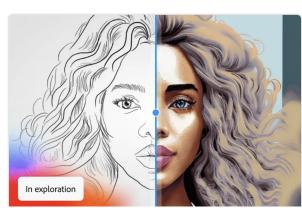


Text effects

Apply styles or textures to text with a text prompt.

Generate







MIDJOURNEY.COM

Midjourney

Explore

₩ Create

Organize

Personalize New!

Chat

General Chaos Daily Theme

Subscribe

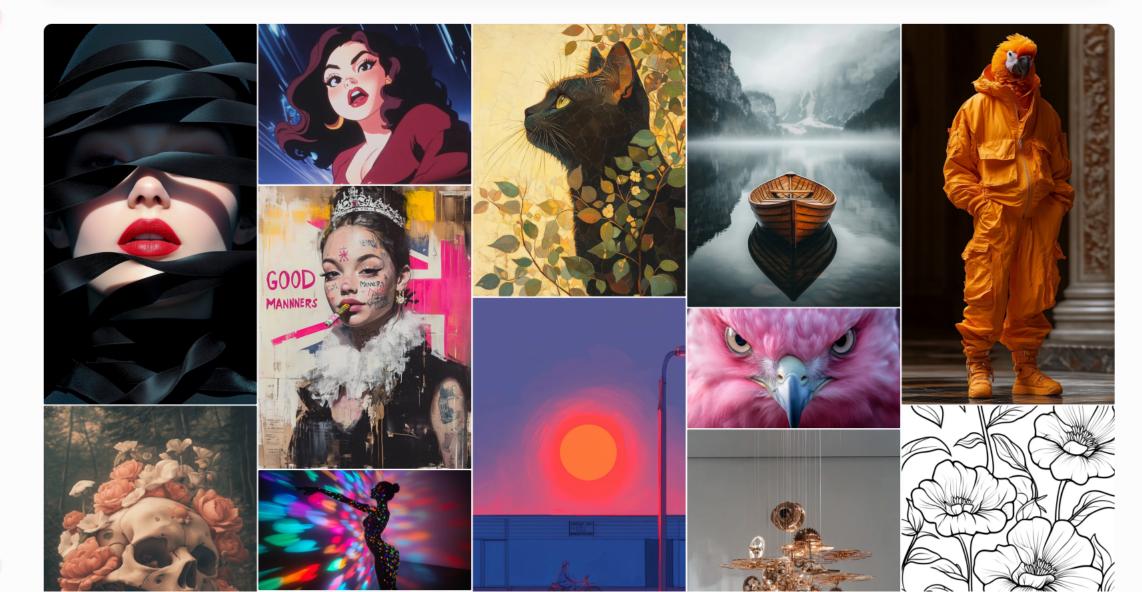
? Help

Updates

O. Light Mode

My Account …

Subscribe to start creating...





TOOLS (All



Correction

Generation

Real-estate





☆ STABLE DIFFUSION XL

Generate high-resolution realistic images with ΑI



■ UNCROP

Uncrop your photos to any image format



REIMAGINE XL

Create multiple variants of an image with Stable Diffusion



冷 RELIGHT

Relight your images with beautiful lights.



STABLE DOODLE

Transform your doodles into real images in seconds



♦ CLEANUP

Remove objects, people, text and defects from your pictures automatically.



⊠ REMOVE BACKGROUND

Extract the main subject from a picture with incredible accuracy. It's like magic.



IMAGE UPSCALER

Upscale your images by 2x or 4x in seconds. It can also remove noise and recover beautiful...



REPLACE BACKGROUND

Teleport anything, anywhere with Al



TEXT REMOVER

Remove text from any image



Sky replacer

Replace gray sky with blue sky in a snap



Swap

Swap people in any image

TRY AN EXAMPLE

Remove compression

Denoise

Sharpen





Represented as a small tool, Clipdrop Image upscaler can improve image quality from compressed images

Try with this example



重 UNCROP

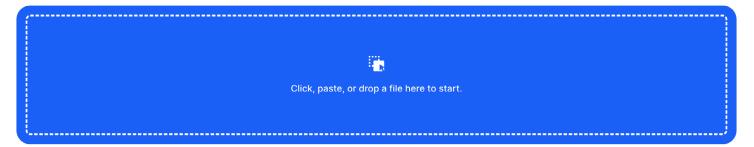
Uncrop your photos to any image format







Teleport anything, anywhere with Al



< Back







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Al Magic Tools 🗡

Motion Brush

- Generate Videos

Generate Images
Infinitely Expand Images
Reimagine Any Image
Train Custom Models
Erase Things from Videos
Slow Mo Any Video
Make Images Move
Remove Any Background
Explore All Al Magic Tools 7

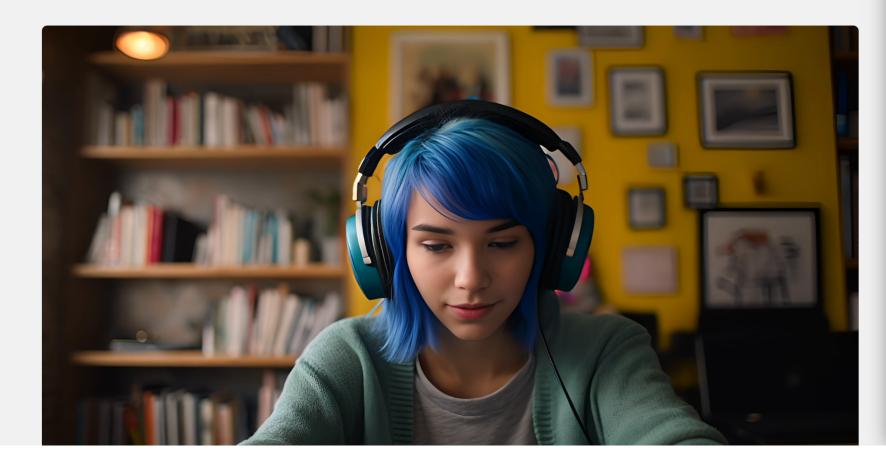
Generate Videos

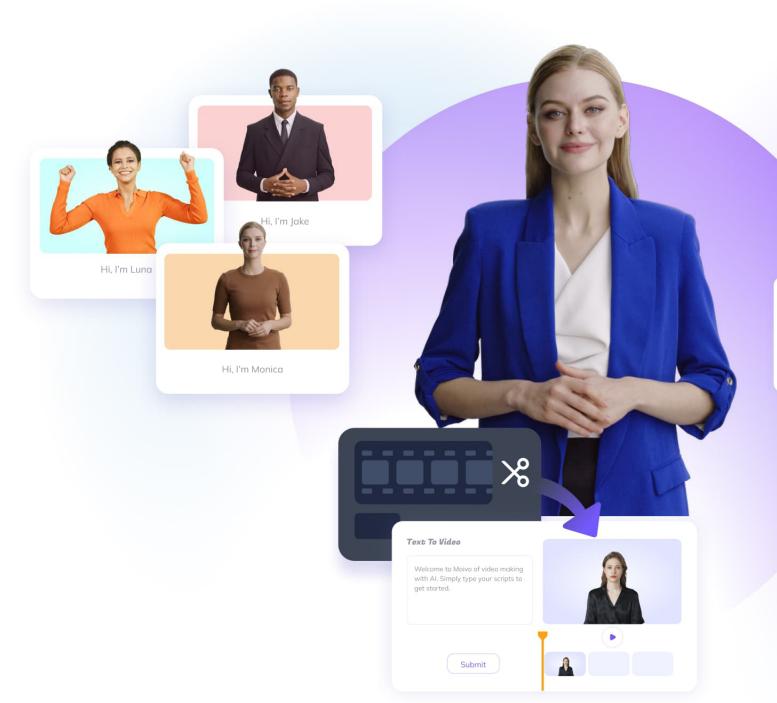
Generate videos using text, images or video clips.

Try Text to Video 🗷

Try Video to Video 🗷

Try Image to Video 🗷





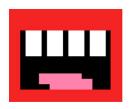




England Submit



A FEW RESOURCES FOR YOU



Ben's Bites

Daily AI Tools Digest











QUESTIONS?

SLIDES AND RESOURCES

IDA CHEINMAN
PRINCIPAL/CREATIVE DIRECTOR
SUBSTANCE151

IDA@SUBSTANCE151.COM





