

Where Photography and Ai Intersect



A circular neon portal surrounded by an overgrowth of colorful coral...

Generative Fill

The next generation of Generative Fill is now in the Photoshop (beta) app. Create richer, more lifelike images with more control than ever before.



Text to Image

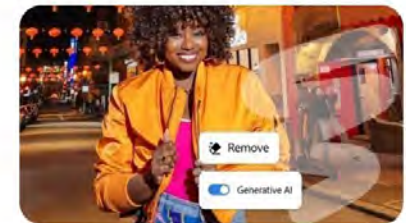
With the new Firefly Image 3 Model, you can create higher-quality images with better composition, photorealistic details, and improved mood and lighting.



Miniature and adorable monsters made of wool and felt dancing with each other...

Generate Video

Turn your text or image into video with the new Firefly Video Model. Explore new ideas quickly, fill gaps in your timeline, and add new elements to existing footage.



Generative Remove

See everything you want and nothing you don't. It's easy to remove distractions from the background with Generative Remove powered by Firefly generative AI.

October 2, 2024

Overview

- Where Ai is used in photo editing
- Ai Tools and platforms
- Discussion – Is Ai in photography good or Bad

Where Ai is used in photo editing

- In general Ai has made many tasks easier, but most tasks have been done for years by highly skilled editors
- Common editing task that Ai is affecting
 - Image enhancement
 - Removing distractions from an image, reducing noise, or enlarging an image
 - Object detection
 - Makes selecting part of a photo much easier. Like finding sky, subject, or background
 - Automated editing
 - Many tasks can be applied automatically to many photos
 - Image classification
 - Identification of “what” is in a photo. Like photos with a moon, lighthouse, etc.
 - Personalization
 - Automatically applying “your style”
 - Generative Ai
 - Generation of an image based on a text prompt
- Software tools are being improved and updated frequently. Sometimes as often as weekly

Adobe

➤ Adobe's Firefly

- Free web version - firefly.adobe.com
 - You have choices of format, content type, composition, and style
 - It has the ability to use a “reference image”
 - Example prompt – “a southwest icon image with red rocks and interesting buttes”

Art Content



Photo Content



Adobe Firefly

➤ Adobe's Firefly

- You can download created images with 2048 pixel resolution
- It is incorporated in many Adobe products including:
 - Adobe Photo suite (\$10/month)
 - Lightroom Classic, Lightroom and Lightroom Mobile (limited version is free)
 - Photoshop
 - Illustrator

Image generated free by Adobe Firefly

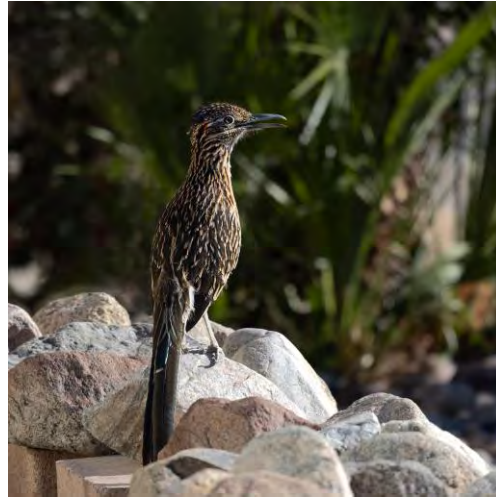


Adobe Firefly Applied

- How was this final image created with Photoshop
 - Firefly Prompt – “roadrunner natural habitat photorealistic with joshua trees and rocks in background”
 - In Photoshop select firefly subject with lasso and mask, then use generative fill to remove roadrunner in generated image
 - Open my photo and select subject and mask and overlay on Firefly image
 - Adjust my bird scale to match Firefly image
 - Adjust my roadrunner lighting to match image and cleanup edges



Firefly Image



My image



Final Image

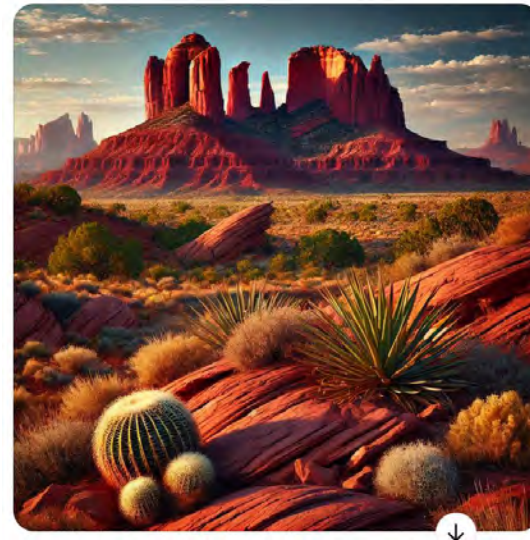
AI Platforms - Midjourney and Dall-e 3

- Mainly used by highly skilled photographers and artist who specialize in Ai art.
- They are not free. You'll need a ChatGPT Plus or Midjourney account
- They are highly capable image generation platforms, that have a huge learning curve.

Simple Midjourney generation



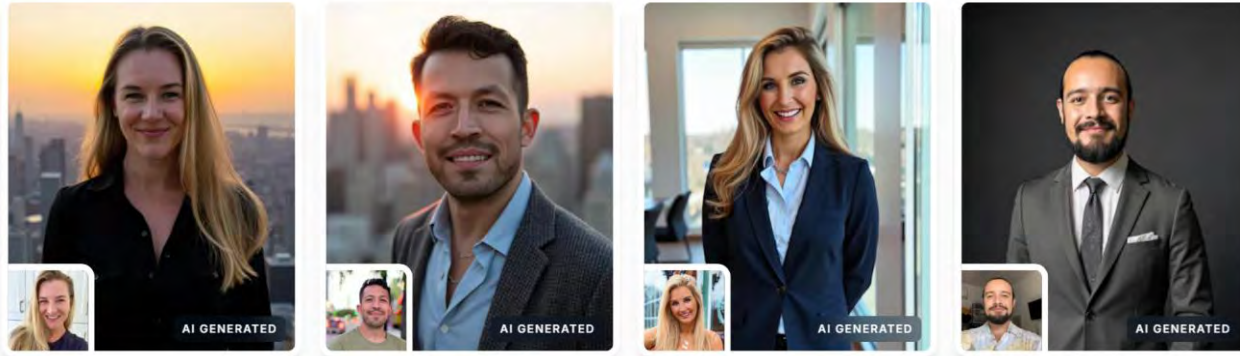
Simple Dall-E 3 generation



Other interesting Ai photography products

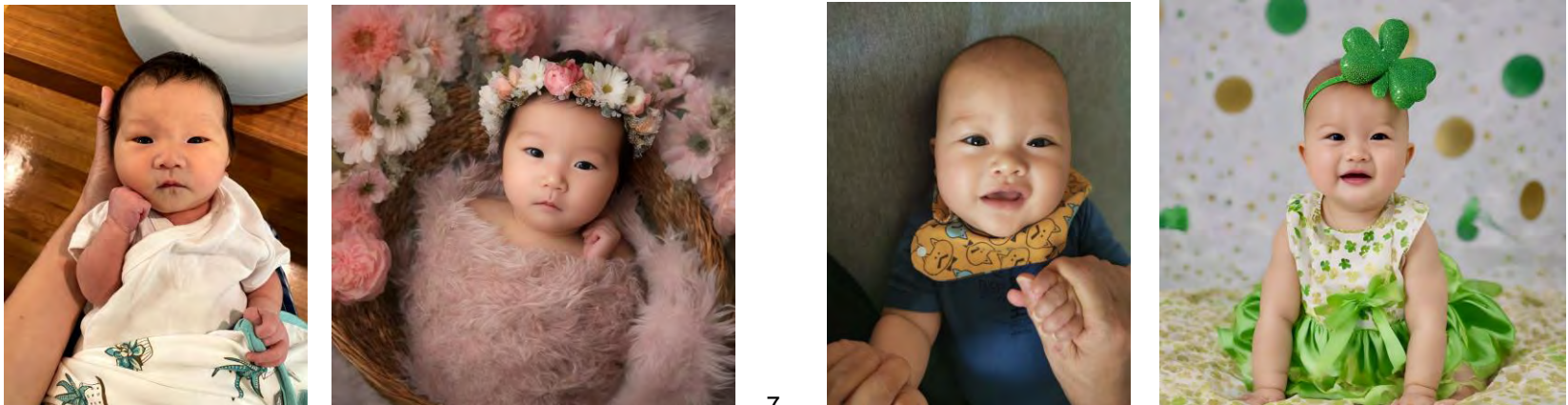
➤ Instaheadshots.com

- Creates professional looking headshots for formal or business use based on a submission of 5+ smartphone headshots



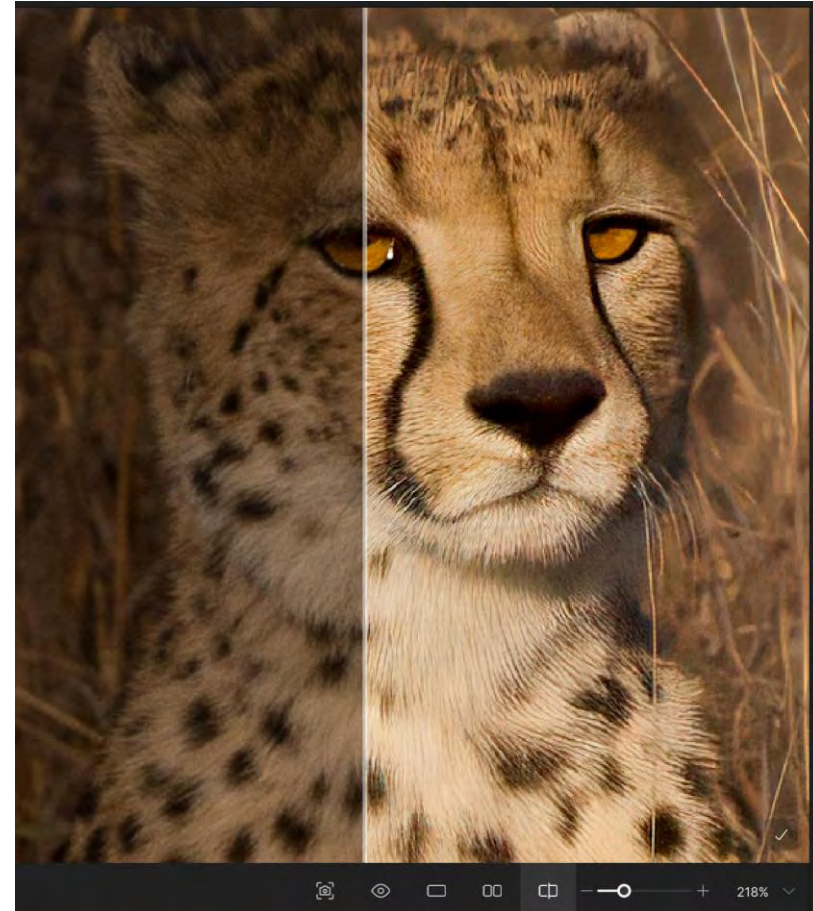
➤ JoinHoneycomb.com

- Creates professional looking newborn photos based on 5+ smartphone photos.



Topaz PhotoAi

- The Software can run as a standalone product, or it can be a plugin for other products like Lightroom or Photoshop
- Photo Ai has three functions
 - Noise reduction
 - Sharpening
 - Enlarging
 - Also - Adjust lighting & remove objects
- It has a perpetual license that includes 1 year of updates. Cost is \$200. If you rarely need it you might ask another member to process an image for you.



Discussion of ethics of Ai in photography

- Where does Photography end and Art start?
- In photo contests should generative Ai photos be allowed?
- Would you feel cheated if you bought the picture on the right?

What the camera saw



What you bought

