# **Imagery Intelligence [IMINT]**

### **General Image Search**

• PastVu

View old photos from 1826 to 2000 that have been geo-located and plotted on a map.

• FaceSaerch

Uses Google to search for images of faces from a specific keyword.

## **Reverse Image Search**

#### • <u>PimEyes</u>

A reverse image search engine that uses facial recognition to find pictures containing given faces. See where images that match a persons face appear online. Free search results are censored, to see uncensored results and view matching URLs requires a paid subscription.

• Yandex Reverse Image Search

Reverse image search with facial recognition and character recognition turned on.

Tineve

A reverse image search engine. It was the first image search engine on the web to use image identification technology rather than keywords, metadata or watermarks.

Google Images

Google reverse image search.

KarmaDecay

A reverse image search tool for Reddit. Currently still in beta.

• ImgOps

An online image toolkit. Allows you to preform reverse image searches on many different platforms, metadata extraction, image editing and conversions.

Pl@ntNet

A web application which allows you to identify plants simply by taking a picture of them with your phone. They also provide a a free mobile application for <u>Android</u> and <u>iPhone</u>. Allows you to identify all kinds of plants including flowering plants, trees, grasses, conifers, ferns, vines, wild salads and cacti. Before you ask, yes it works with weed plants.

• Reverse Image Search

Simply upload an image and find matching images and similar images using Google, Bing and Yandex.

• Image-Search

Allows you to find the most relevant pictures online. With this reverse image search tool, you can search pictures by uploading directly or by using a keyword or however you want.

Berify

Reverse image search to help you find stolen images and videos. Search over 800 million images along with image data from all of the major image search engines. Requires an account and a paid subscription to view full results.

Pixsy

An online platform for creatives and image owners to discover where and how their images are being used online. Great for identifying copyrighted images and automating DMCA takedowns.

• MySeldon News

Reverse search an image of a lesser known official, politician, local TV anchor, or whomever

to find related information and articles. Searching for Russian companies also works if the image contains a valid OGRN number.

Aliseeks Image Search

Search for items via images in both AliExpress and eBay.

• Same Energy

A visual search engine. You can use it to find art, photography, decoration ideas, or virtually anything else.

• Search by Image

Search for any products by using an image. Helps you find deals.

• Sogou Image Search

A Chinese reverse image search tool. Works quite well.

• Qihoo360

A Chinese reverse image search tool. Also works pretty well.

Lykdat

Search for clothing via reverse image search.

• IQDB

A reverse image search tool designed for anime and manga art.

• ASCII2D

Japanese reverse image search engine for identifying anime.

#### **Image Generation**

• This Person Does Not Exist

Uses generative adversarial networks (GAN) to generate an image of a person that does not exist. Good for sock puppet accounts.

• This X Does Not Exist

A directory of websites that use generative adversarial networks (GAN) to generate images of a wide variety of things.

• FaceMaker

Based on the average European face can to design a virtual character in real time. You decide on the facial parameters of an avatar. Save, render, and share the generated 3D models. Application is based on WebGL.

#### Image Enhancement

• MyHeritage Photo Enhancer

Enhance photos automatically with "the world's best" deep learning technology. Works best with old and/or historical images.

LetsEnhance

A great tool that uses AI to increase image resolution without loss of quality. Requires a paid subscription for best results.

• <u>ImageEnlarger</u>

Allows you to upscale small images without losing quality or introducing distortion (also known as "artifacts").

#### **Image Editing and Manipulation**

• FotoFlexer

A free online image editing tool.

• 29a Image Manipulation Tool

A great online toolkit for analyzing and manipulating images.

• <u>DiffChecker</u>

A tool to check the differences between two images.

• Remove Image Background

A simple free tool that allows you to remove the background of an image

• Image Color Picker

A free online tool to identify hex color codes from an image.

• BlockLayer

Find and set scales from an image. This site also provides loads of other great tools for many different things.

AddText

Basic online tool to add text to images. Great for making memes.

#### **Image Metadata and Forensics**

• Jeffrey's Image Metadata Viewer

Simply upload an image to view its metadata.

• EXIF App

Upload two images and view a table of their metadata. The differences will be highlighted in yellow.

• <u>Metapicz</u>

A simple online image metadata viewer.

• Reveal Image Verification Assistant

Features a multitude of images tampering detection algorithms as well as metadata analysis, geolocation, thumbnail extraction and integration with Google reverse image search.

• ImageEdited?

A tool that helps detect if an uploaded image has been edited or "shopped" (That means "photoshopped").

• <u>ImageForensics</u>

Upload an image and see its EXIF, IPTC and XML metadata. Also provides an error level analysis (ELA) tool.

• <u>Pic2Map</u>

An online EXIF data viewer with GPS support which allows you to locate and view photos on a map.

• ForensicDots

A web application that detects printer machine identification codes (MICs). Also known as the infamous <u>"yellow dots"</u> or "tracking dots".

7,471 characters in 999 words.