

# Laboratório VISGRAF

Instituto de Matemática Pura e Aplicada

**Generative AI**

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The contents of this report are the sole responsibility of the authors.  
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# Generative AI

by Luiz Velho

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# 1. Concepts

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(text-2-image / prompting)

## - Prompt Engineering

<https://github.com/dair-ai/Prompt-Engineering-Guide>

## - PromptHero

<https://prompthero.com/>

## - Stable Diffusion Prompt Book

<https://openart.ai/promptbook>

## - Stable Diffusion Prompt Modifiers

<https://www.artstation.com/blogs/kaddoura/bKn1/stable-diffusion-text2img-prompt-modifiers>

# 2. Basic Platforms

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(prompt / img2img)

## - DreamStudio

<https://beta.dreamstudio.ai/dream>

<https://beta.dreamstudio.ai/prompt-guide>

<https://beta.dreamstudio.ai/faq>

[https://beta.dreamstudio.ai/DreamStudio\\_beta\\_User\\_Manual\\_v1.5.101122.pdf](https://beta.dreamstudio.ai/DreamStudio_beta_User_Manual_v1.5.101122.pdf)

## - Midjourney

<https://www.midjourney.com/>

<https://docs.midjourney.com/>

<https://docs.midjourney.com/docs/quick-start>

<https://docs.midjourney.com/docs/midjourney-discord>

<https://docs.midjourney.com/docs/models>

<https://midjourney.gitbook.io/docs/resource-links/guide-to-prompting>

## 3. Other Platforms

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(communities)

### - DreamStudio-Com

<https://dreamstudio.com/>  
<https://dreamstudio.com/about/>  
<https://dreamstudio.com/start/>

### - Open Art

<https://openart.ai/>  
<https://blog.openart.ai/>

### - ArtBreeder

<https://www.artbreeder.com/>

## 4. Derivatives

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(animation / style / etc)

### - Deforum

<https://deforum.github.io/>  
<https://docs.google.com/document/d/1RrQv7FntzOulG4ohjRZPVL7iptlyBhwwbcEYEW2Ofcl/>  
<https://deforum.github.io/animation.html>

### - Replicate

<https://replicate.com/>  
<https://replicate.com/about>  
<https://replicate.com/docs>

### - Astria

<https://www.strmr.com/>  
<https://www.strmr.com/api/docs>  
<https://www.strmr.com/examples>  
<https://www.strmr.com/gallery>

## 5. Photoshop Plugins

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(in/out painting)

- **Diffusely AI**

<https://exchange.adobe.com/apps/cc/bcca72a5/diffusely-ai>

- **Stability**

<https://exchange.adobe.com/apps/cc/114117da/stability>

## 6. Other Plugins

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(3D / Integration)

- **Blender**

<https://blendermarket.com/products/ai-render>

<https://blendermarket.com/products/ceb-stable-diffusion>

- **Figma**

<https://www.figma.com/community/file/1164358234113718327>

- **Notion**

[https://e.customeriomail.com/deliveries/dgTv2AUDAMO\\_rQLCv60CAYSA5D5hYM\\_yEHBmuLPJpA==](https://e.customeriomail.com/deliveries/dgTv2AUDAMO_rQLCv60CAYSA5D5hYM_yEHBmuLPJpA==)

[https://e.customeriomail.com/deliveries/dgTv2AUDAMO\\_rQLCv60CAYSA5D5hYM\\_yEHBmuLPJpA==](https://e.customeriomail.com/deliveries/dgTv2AUDAMO_rQLCv60CAYSA5D5hYM_yEHBmuLPJpA==)

- **Wordpress**

<https://wordpress.org/plugins/stable-diffusion/>

<https://wordpress.org/plugins/imajinn-ai/>

## 7 - Applications

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(Apps)

- **Lensa**

<https://prisma-ai.com/lensa>

## 8 - Tools

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(references / etc)

- **Lexica**

<https://lexica.art/>

- **Have I Been Trained**

<https://haveibeen trained.com/>

- **Bias Explorer**

<https://huggingface.co/spaces/society-ethics/DiffusionBiasExplorer>

- **Runway**

<https://runwayml.com/>

- **Crayon**

<https://www.crayon.com/>

- **CLIP Interrogator**

<https://huggingface.co/spaces/pharma/CLIP-Interrogator>

## 9. Colab Notebooks

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(Jupyter Google Colab Notebooks)

- **Disco Diffusion**

<https://github.com/alembics/disco-diffusion>

[https://colab.research.google.com/github/alembics/disco-diffusion/blob/main/Disco\\_Diffusion.ipynb](https://colab.research.google.com/github/alembics/disco-diffusion/blob/main/Disco_Diffusion.ipynb)

## 10. Dev Communities

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(Python / Github)

### - Hugging Face

<https://huggingface.co>

<https://huggingface.co/docs>

<https://huggingface.co/models>

<https://huggingface.co/datasets>

<https://huggingface.co/spaces>

## 11. Developers / Coders

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(Python / Local)

### - Automatic1111

<https://github.com/AUTOMATIC1111/stable-diffusion-webui>

### - Extensions

<https://github.com/AUTOMATIC1111/stable-diffusion-webui/wiki/Extensions>

## 12 - Models

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(generative models)

### - Stable Diffusion

<https://cyberes.github.io/stable-diffusion-models/>

### - Diffusers

<https://github.com/huggingface/diffusers>



## 13. Model Fine-Tuning

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(Re-Training)

### - Dreambooth

<https://github.com/XavierXiao/Dreambooth-Stable-Diffusion>

### -Textual Inversion

[https://github.com/rinongal/textual\\_inversion](https://github.com/rinongal/textual_inversion)

### - Imagic

<https://github.com/ShivamShrirao/diffusers/tree/main/examples/imagic>

## 14. Datasets

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(Data)

### - LAION-5B

<https://laion.ai/>

### - Imagenette

<https://github.com/fastai/imagenette>

### - Liner

<https://liner.ai/datasets>