

Text to Image

An Update

David Bourne
11 Jul 23
MacinTech General Meeting

Software

Stable Diffusion

- Text to Image
 - Diffusers (<https://apps.apple.com/us/app/diffusers/id1666309574?mt=12>)
 - Easy Diffusion (<https://github.com/easydiffusion/easydiffusion>)
 - Apple - ML Stable Diffusion (<https://github.com/apple/ml-stable-diffusion>)
- Edit Models
 - InvokeAI (<https://github.com/invoke-ai/InvokeAI>)
 - DreamBooth (<https://stable-diffusion-art.com/dreambooth/>)
 - Automatic111 (<https://github.com/AUTOMATIC111/stable-diffusion-webui>)
- Models
 - Huggingface (<https://huggingface.co/models>)

<https://apps.apple.com/us/app/diffusers/id1666309574?mt=12>

<https://github.com/easydiffusion/easydiffusion>

<https://github.com/apple/ml-stable-diffusion>

<https://github.com/invoke-ai/InvokeAI>

<https://stable-diffusion-art.com/dreambooth/>

<https://github.com/AUTOMATIC111/stable-diffusion-webui>

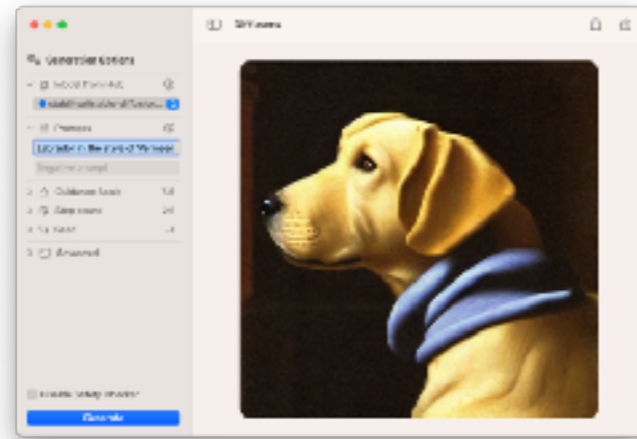
<https://huggingface.co/models>

Software

Stable Diffusion

- Text to Image
 - Diffusers (Mac app on the app store)
 - Easy Diffusion (Web browser GUI)
 - Apple - ML Stable Diffusion (Code for Swift App)
- Edit Models
 - InvokeAI (Web browser GUI - Text Inversion?)
 - DreamBooth (Google Colab - standalone?)
 - Automatic1111 (Web browser GUI - model editing?)
- Models
 - Huggingface (Many pre-trained models)

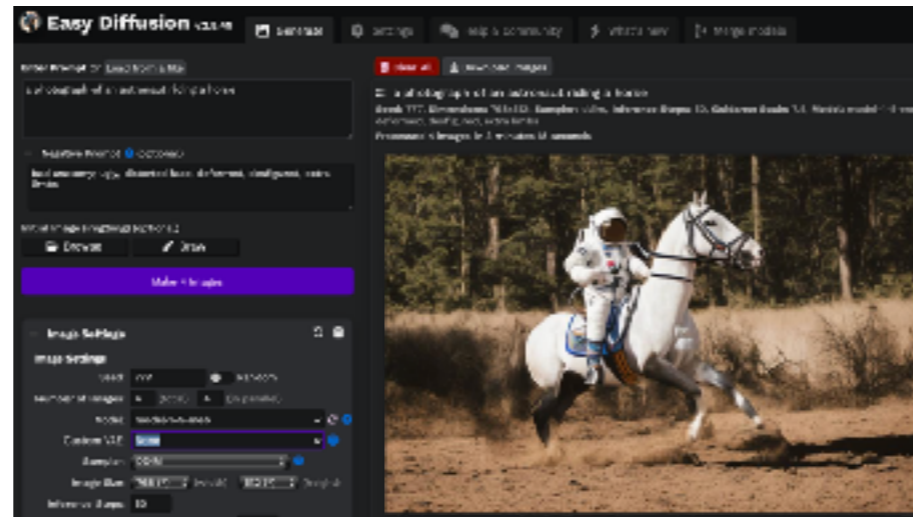
Diffusers



Demonstration App
Fixed image size
Older models (v1.4/v1.5)
iPhone version might overheat
phone

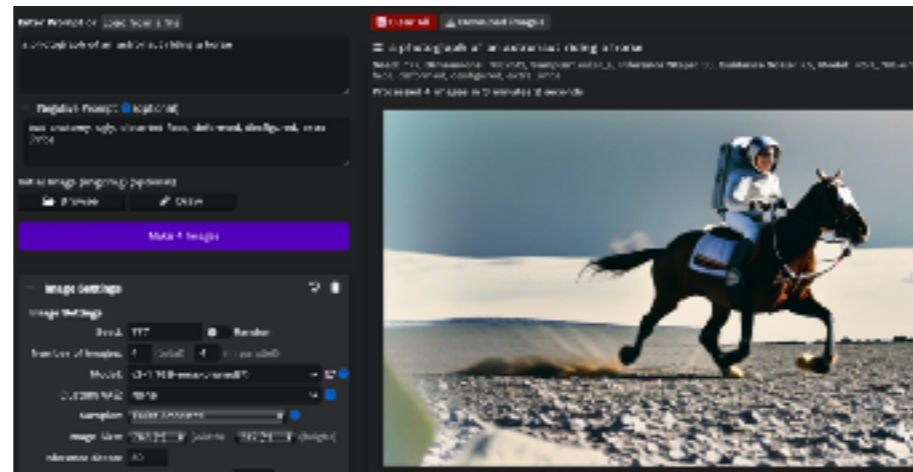
Easy Diffusion

Web Based GUI - local server

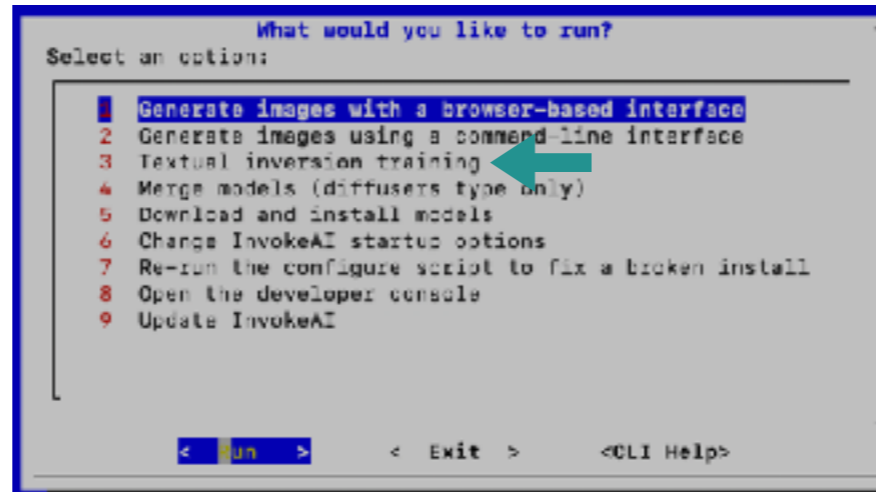


Easy Diffusion

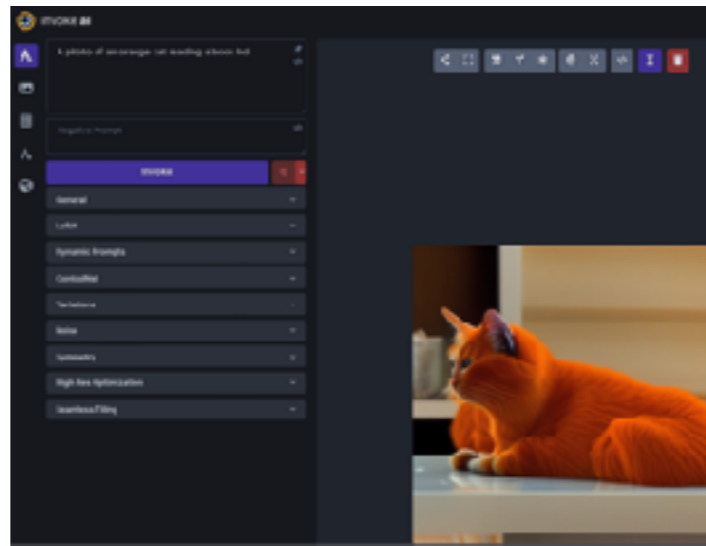
Web Based GUI - local server



InvokeAI



InvokeAI



Udemy Course

AI Image Generation

MASTER AI IMAGE GENERATION USING
STABLE DIFFUSION



EXPERT
ACADEMY

<https://www.udemy.com/course/master-ai-image-generation-using-stable-diffusion/learn/lecture/38391332>

\$9.99

<https://www.udemy.com/course/master-ai-image-generation-using-stable-diffusion/learn/lecture/38391332>

Udemy Course

AI Image Generation

- Stable Diffusion Basics
- Prompt Engineering - Prompts, Negative prompts, Models and Parameters
- Custom Training - New models with Dreambooth
- Image to Image
- Inpainting - replacing parts on an image
- ControlNet

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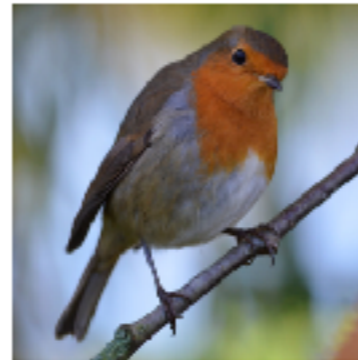
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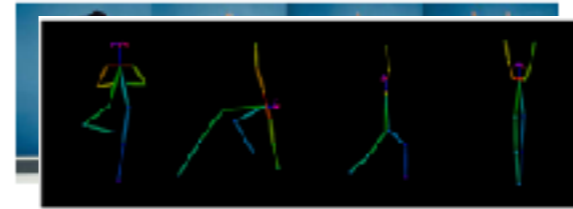
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