Flux Training Concept POC
RunDiffusion.com
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https://huggingface.co/RunDiffusion/Wonderman-Flux-POC

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For this POC we needed to achieve these goals

1. The concept can not exist in the Flux dataset. (This is cheating)
2. The concept needed to be present but still allow flexibility for creativity.
3. The concept needed to resemble the subject within 90% accuracy.
4. The subject could not "take over" the model.
5. We used the lowest quality data we could find. (This was easy!)

heroic image of Wonderman from the 1947 comic

Flux think's "Wonderman" is Superman.
Wonderman does not exist in Flux

We chose Wonderman from 1947!
Wonderman is in the public domain, so it can be freely shared,
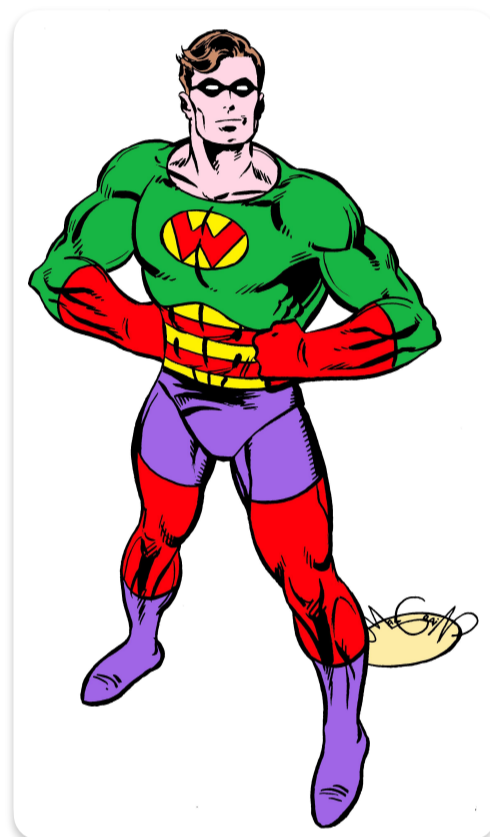except where restricted by Flux's non-commercial license.

Source the data

• Find as much data online as possible.

We knew it would be hard to find find high quality data and this was okay. We were able to
find only 6 to 7 decent images. A lot was cropped and low resolution.

Low resolution

Bad Proportions
Removal of watermarks
Prompt text if present

Prep the data

Using current Ai tools to clean and prep the data.

• Inpaint problem areas like backgrounds, signatures, and text
• Outpaint to expand images
• Upscale to get above 1024x1024 at a minimum
• Create variations to increase the dataset and provide diverse data

We were able to get the dataset to 13 with these techniques

Inpaint, Outpaint, Variation, Upscale