

Prompts:

1. Photo of a pair of [CH] croissant hoops
2. Photo of a [PN] pendant necklace
3. Photo of a [DR] dome ring
4. Photo of a pair of [SS] studs
5. Photo of a pair of [EDH] easy daily hoops
6. Photos of a [BR] bold ring
7. Photo of a pair of silver [BH] beaded hoops
8. Photo of a [PN] pendant necklace with a pearl pendant
9. Photo of a [BR] band ring on a man's finger
10. Photo of a [CN] chain necklace on a woman's neck

Reasoning behind the prompts:

The prompts are designed to test if the fine-tuned model can produce the following images:

- Jewelry style present in the training images (the first 6 prompts)
- Jewelry with slightly different properties/style from the training images (prompt 7,8)
- Jewelry with the same style as in the training images but placed in different contexts (prompt 8,9)

The first category aims to examine the quality of fine-tuning, while the other two categories aim to test if the fine-tuned model still retains the syntactic and semantic knowledge of the original training data.

Model strength:

- With an appropriate combination of hyperparameters, the model is capable of generating realistic images that preserve the style of the original training images
- It can also maintain the prior semantics of the data it was initially trained on, allowing it to extend to concepts and contexts not present in the fine-tuning images

Weakness:

- The model might generate less ideal subjects, such as broken jewelry (could potentially be mitigated by including negative prompting)
- Struggles when dealing with instances containing heterogeneous styles. For example, the training images for studs and bold rings are a lot less homogeneous than croissant hoops and dome rings, therefore the generated images are less consistent in style
- Tends to deviate from the ideal style when asked to generate concepts that were not included in the training images (this could be addressed by providing additional images)

Image outputs:

Image 0



Photo of a pair of [CH] croissant hoops

Image 1



Image 2



Image 3



Photo of a [PN] pendant necklace



Photo of a [DR] dome ring

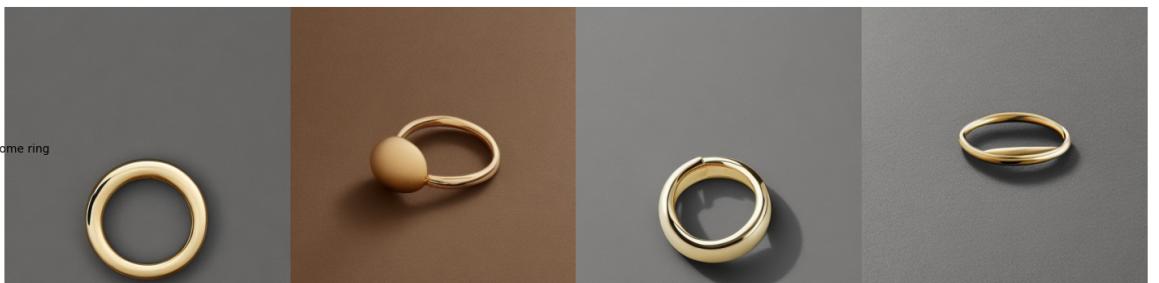


Photo of a pair of [SS] stud



Image 0

Photo of a pair of [EDH] easy daily hoops



Image 1



Image 2



Image 3



Photos of a [BR] bold ring



Photo of a pair of silver [BH] beaded hoops



Photo of a [PN] pendant necklace with a pearl pendant



Photo of a [BR] band ring on a man's finger



Photo of a [CN] chain necklace on a woman's neck

