so we're currently using a model called kandinsky for image generation

and it contains several components, a Unet, a vae autoencoder etc...

i need you to create example scripts for loading and using the Vae and Unet models

so first, follow the readme on the unclip repo to download requirements and the kandinsky models

and then create the following scripts in a folder called examples:

1. loading unet

- load

- run on random input

2. Examples of getting model information for unet and vae

- torchinfo and other print function for model stats

- dumping lay by layer model architecture/ information

3. Example loading vae

- load

- run on input / random

- torchinfo and other print function for model stats

4. Example of using VAE

- encode image

- decode image

you can see examples in this script of how the Unet and Vae model are loaded:

<https://github.com/kk-digital/unclip/blob/main/unclip_kandinsky_worker/worker_state.py#L28>

just make sure to follow guidlines and push these scripts into your own branch and not on main