Create realistic full size body reference images using a face as an input

Full body reference images can be used in image edits models (e.g. Qwen image edit) for different scenarios

Most image generation models often struggles to create full body images from faces, they tend to focus on faces and output images with big heads and small body (dollified)

different approaches to address the full body problem

Mannequin

ControlNet

"cowboy shot"

LoRA

Prerequisite to all approaches considered here:
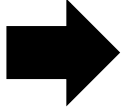## *Symmetrical face*

Qwen Image Edit

A high-resolution portrait of this **<man/woman/child>** facing directly forward, front-facing camera view, symmetrical facial features, both ears clearly visible and aligned, eyes looking straight into the camera. The subject is centered, with a neutral expression and even lighting. Isolated on a pure white background with all surrounding elements, shadows, and distractions removed. No text, logos, or additional objects visible. High contrast, sharp focus, professional studio quality, full frontal view
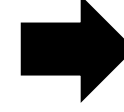
Implementation:
Qwen-Image-Edit ComfyUI Native Workflow

Mannequin

This <black/white/asian> <man/woman/child> is dressed casually in light colours with comfortable shoes. White background. [Keep facial features face but adjust the body proportions according to the face if needed.]
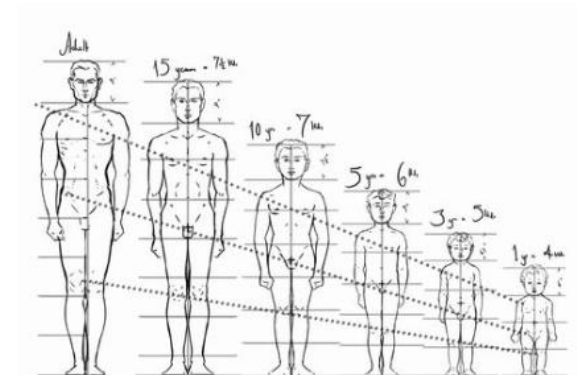
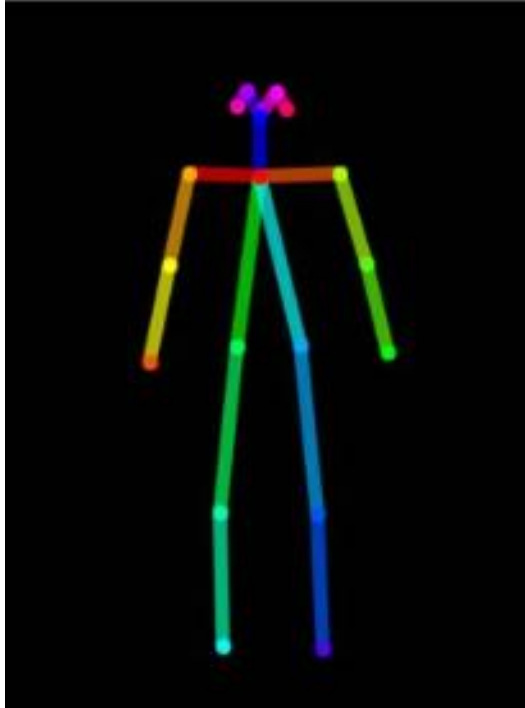**Pro:** works reasonable well, Flexibility (different body shapes)
Con: work load, difficult to align face to body, "average body shape"

Implementation:
Qwen-Image-Edit ComfyUI Native Workflow

Observation:

Hard to find the right parameters

Implementation:
Jupyter notebook

"change ratio"

Intuition:

Changing image ratio wil force an image model to fill the missing parts while preserving the identity *(outpaint)*

the <man/woman> is dressed in casual outfit and standing, white background

Implementation:
xPixoramaQwenImageEdit_ChangeRatio

Not tested yet:
Possibility to use "outpaint" to make it full body

LoRA

Intuition
train a LoRA which, when given a face, create a full body reference image
(which can then be used in image edit models for other tasks: style change,
pose etc …)

Training Dataset :
- Qwen Image generate images of the full body (as target images)
- Crop the faces – in different zoom scale (as input images)

trained on FAL.AI , 2500 steps (~ 6$)
trigger prompt:
full-body, front-facing image for artistic reference

Prompt in qwen image:
A full-body, front-facing photograph of a <black/white/Asian> <woman/man/child> standing upright, viewed from head to toe, full frontal view, neutral expression, arms relaxed at sides, looking straight ahead. The person is centered and tightly framed, with minimal background on the sides, just enough to show full silhouette. Full body visible including feet and toes. Style: high-resolution, photo-realistic, natural skin tone, smooth skin texture, no visible muscle definition, modest attire (white t-shirt and gray pants), no logos or patterns. Soft, even studio lighting, no shadows. --v 5 --ar 9:16 --style photorealistic --quality 2 --stylize 100

full-body, front-facing image for artistic reference

base model : Flux Kontext
LoRA: xFluxKontext_Lora_fullbody_v01
Steps : 30, CFG: 10 , Resolution 3:4

Implementation:
xPixorama_Flux1KontextDev_LoRa.json