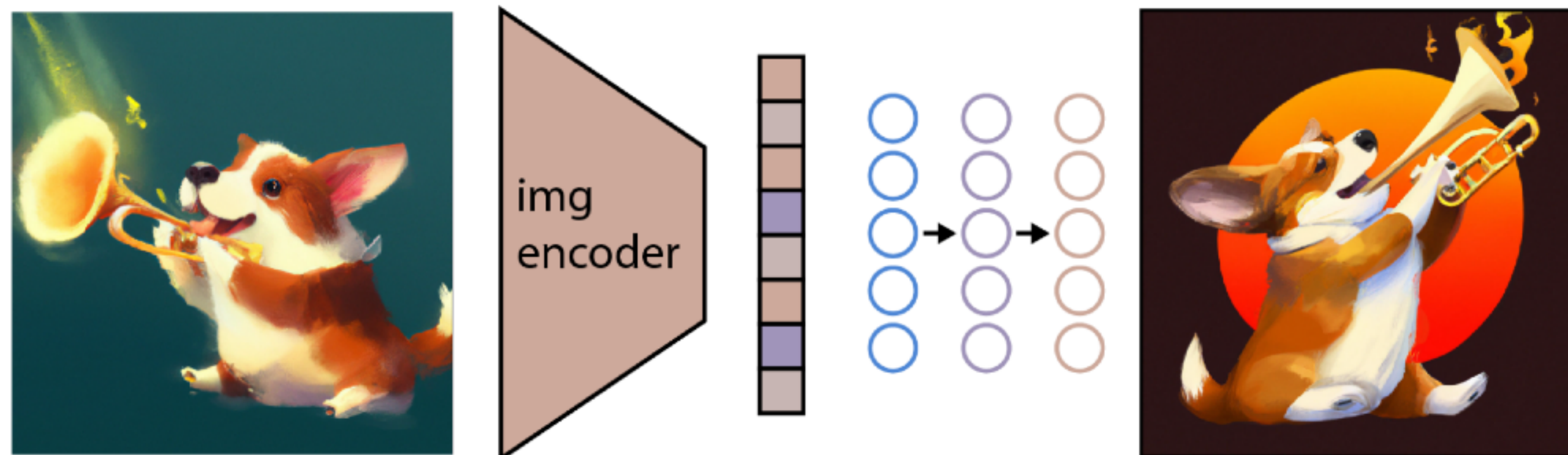# NEXT STEP

- **After training, the CLIP model is frozen and DALL-E 2 moves onto its next task - learning to reverse the image encoding mapping that CLIP just learned**

- **Yay, another model! GLIDE**

DIFFUSION MODELS

- **Reverse a gradual noising process**

$$p_\theta(\mathbf{x}_{t-1}|\mathbf{x}_t)$$

$$\mathbf{x}_T \longrightarrow \cdots \longrightarrow \mathbf{x}_t \longrightarrow \mathbf{x}_{t-1} \longrightarrow \cdots \longrightarrow \mathbf{x}_0$$

$$q(\mathbf{x}_t|\mathbf{x}_{t-1})$$