# Art3D: Training-Free 3D Generation from Flat-Colored Illustration

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Do you still remember what the world looked like when

you were a kid?













### OR THAT?

Lttt

# What if we bring it to life?

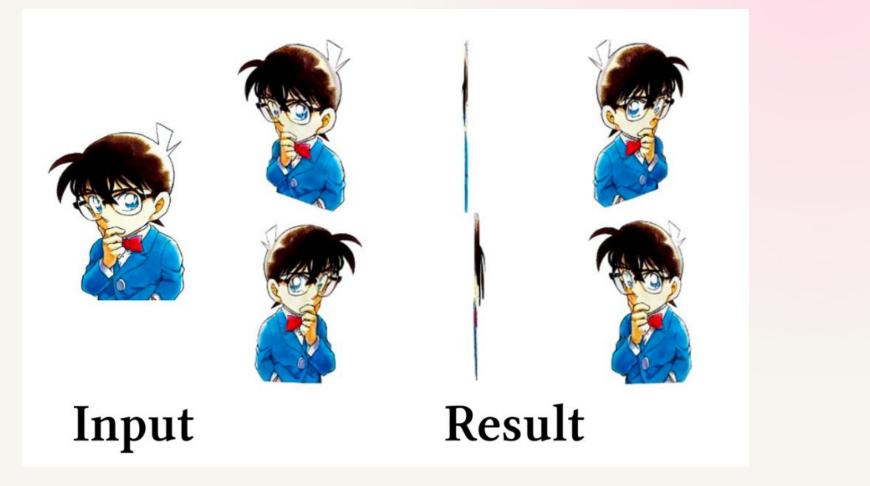
## Here it comes!





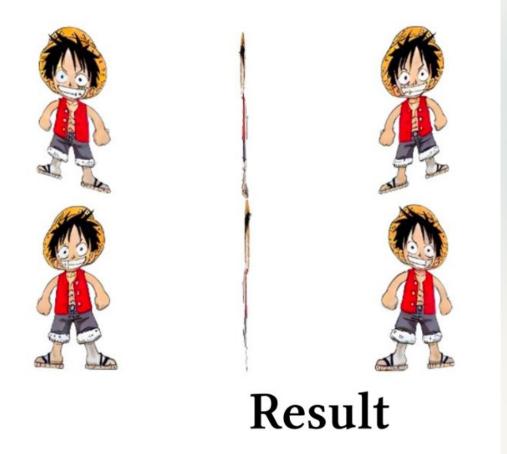
#### MOTIVATION

A common limitation of existing methods is their **inability** to handle **flat-colored** images that inherently lack a sense of 3D (hand drawings, painting, icons, cartoon-style designs). Yet, these types of images are among the most accessible and intuitive tools for users in visual art creation.



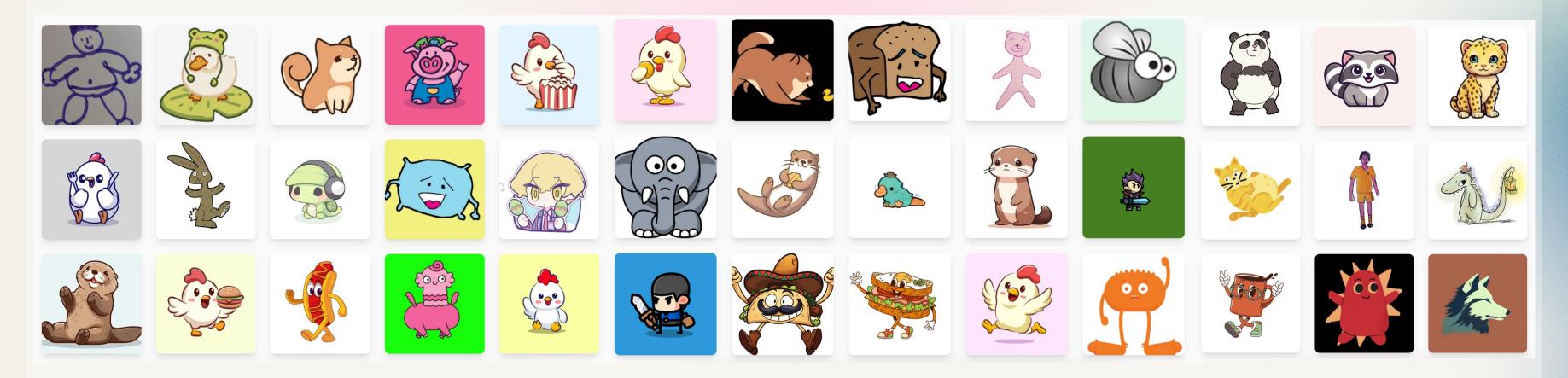


Input

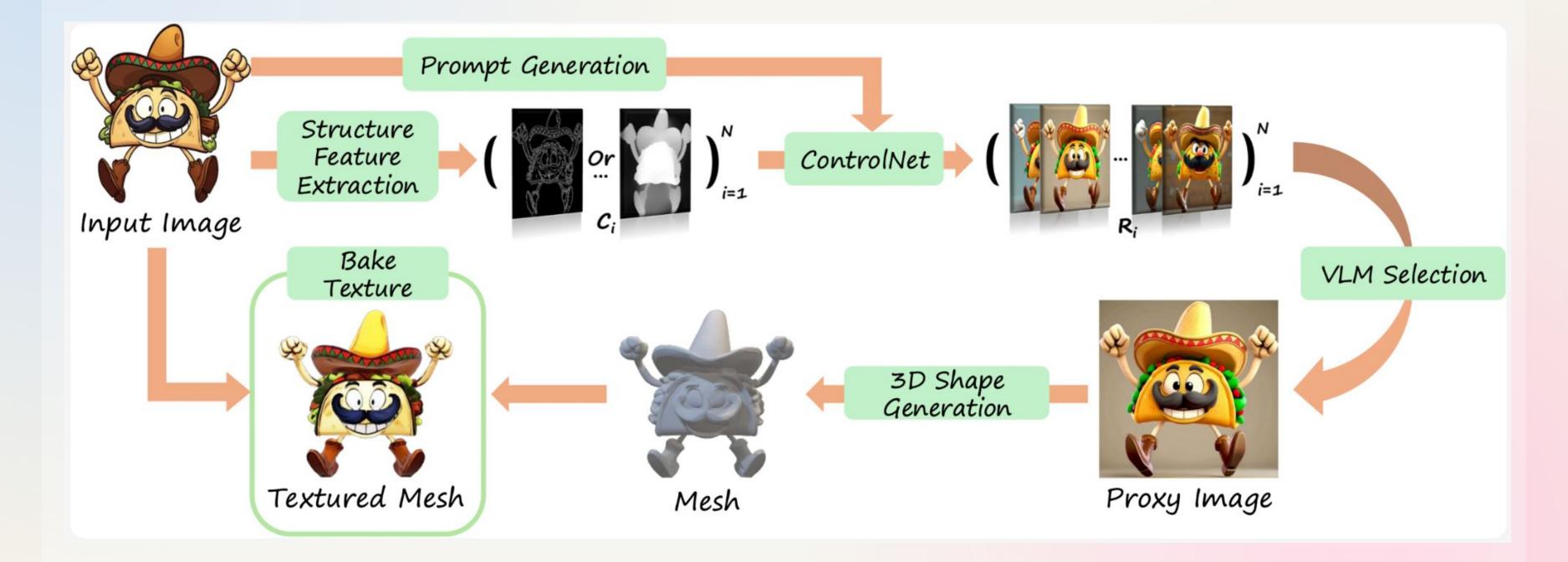


### ONTRIBUTION

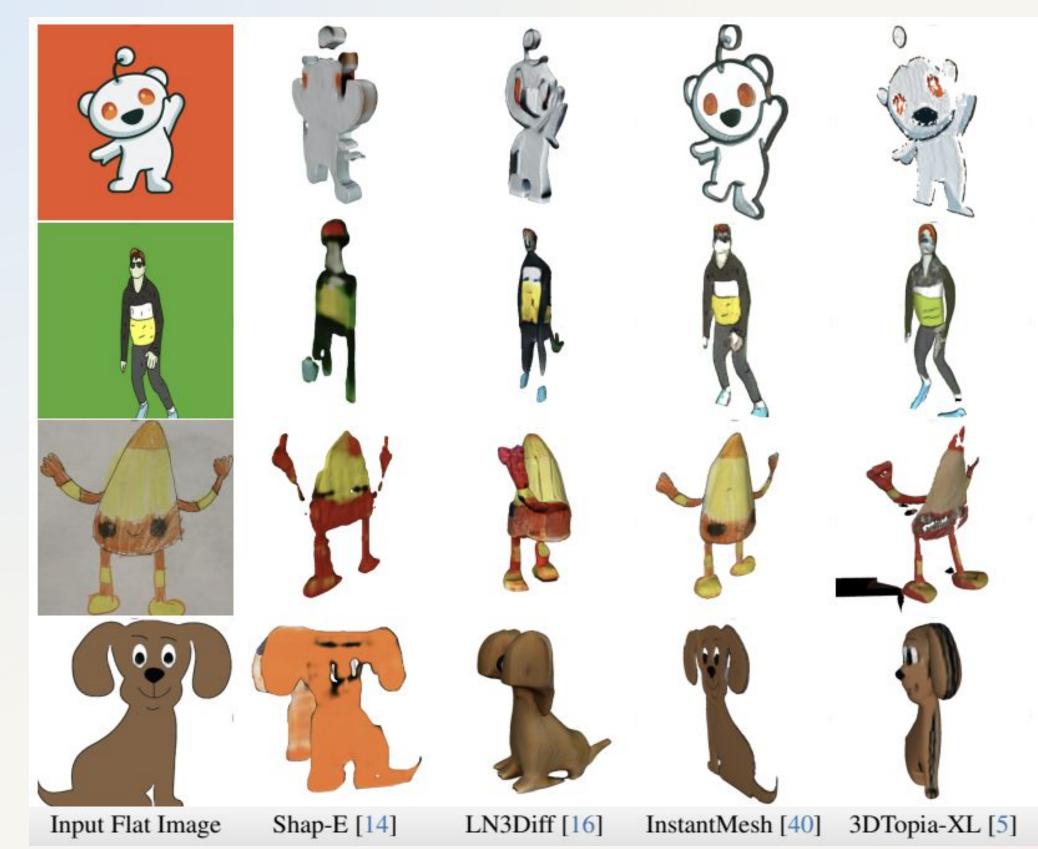
- We introduce Art3D, a training-free 3D generation pipeline designed for flat-colored images, enhancing the 3D illusion of the flat inputs.
- We curated a dataset called Flat-2D, consisting of over 100 hand-picked flat-colored images.

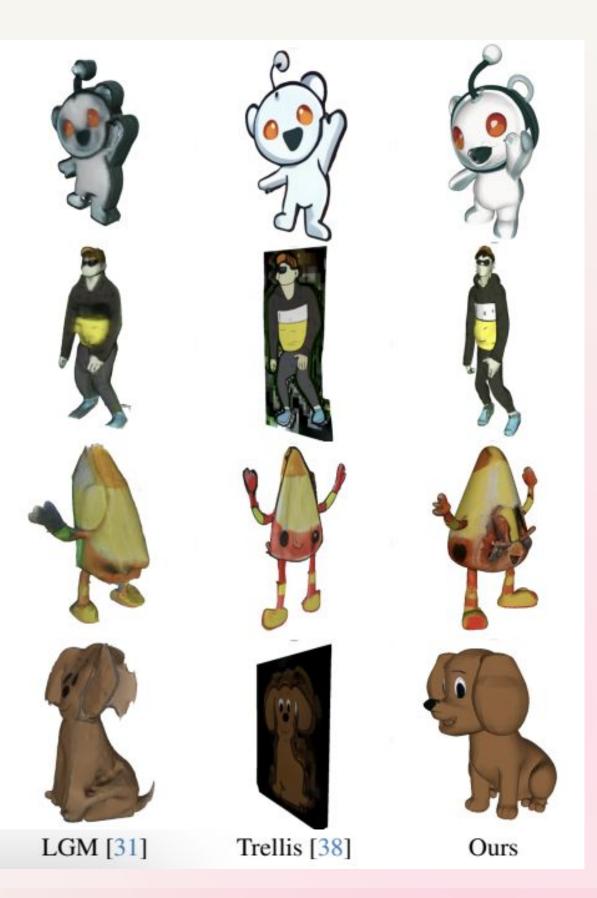
















### Interactive 3D Mesh Gallery







Available on our website: https://joy-jy11.github.io/













## THANK YOU FOR LISTENING!



Crafted and presented by Jiayi Shen

