Rohit Das

Deep Learning Engineer

⊙ Taipei City, Taiwan ☎ +886905023713 @ rdas.879@gmail.com ⊘ https://rohit7044.github.io

---

Profiles	⌗ rohit7044	in Rohit Das	⊙◖ rdas.879

Summary	Rohit Das is a Generative AI Engineer specializing in 3D Vision especially 3D Reconstruction and Texture Generation

---

Experience

Bifrost AI · 2023/09 - 2024/02
AI Engineer (Intern) · Remote
⊘ https://www.bifrost.ai

Deployed cutting-edge models across multiple products, with a primary focus on texture generation from textual input.

Significantly optimized time efficiency, decreasing computational time from hours to mere minutes.

CI3D- Colour Imaging 3D Lab · 2022/02 - 2023/07
Junior Researcher · Taipei City, Taiwan

Topic of Research -Texture Estimation from One Shot Image

Projects

FasTEX - Fast Text to Texture Generation
Generate textures for mesh using Stable Diffusion

- Currently the fastest texture generation in the market
- Needs better interpolation ideas

Blender, Neural Rendering, Stable Diffusion, ControlNet

3DGANTex: 3D Face Reconstruction with StyleGAN3-based Texture Synthesis from Multi-View Images

- A novel approach for texture estimation from a single image using a generative adversarial network (StyleGAN3) and 3D Dense Face Alignment (3DDFA).
- The SOTA method begins by generating multi-view faces using the latent space of StyleGAN3 using Restyle encoder. Then 3DDFA generate a high-resolution texture map and map it to 3D model that is consistent with the estimated face shape.
- The only drawback of this method is generating texture from Single image which is not feasible

3D Reconstruction, GAN, 3DDFA

Education

National Taiwan Normal University · 2021- 2023
Computer Science and Information Engineering · Masters
3.8
⊘ https://www.ntnu.edu.tw/

Camellia Institute of Technology · 2014-2018
Computer Science and Engineering · Bachelors
6.8
⊘ https://camelliait.ac.in/

Skills

Stable Diffusion	Neural Rendering	LLM	NeRF
Intermediate	Intermediate	Intermediate	Intermediate
Gaussian Splat	**PyTorch3D**		
Intermediate	Intermediate		

Languages

English	Hindi	Chinese
Expert	Expert	Elementary