

JIANG RUIXIANG

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EDUCATION

The Hong Kong Polytechnic University

Bsc. Computer Science

- cGPA: 3.83/4.30

Kowloon, Hong Kong SAR

Aug 2019 - Present

RESEARCH EXPERIENCE

NeRF-Art: Text-Driven Neural Radiance Field Stylization

Dec, 2022

Can Wang, **Ruixiang Jiang**, Menglei Chai, Mingming He, Dongdong Chen, Jing Liao

Accepted (IEEE TVCG)

- We propose the first text-driven method to stylize pretrained neural implicit scenes to match the desired art style.
- Implemented and experimented with a stylization algorithm based on three different baseline methods.

AvatarCraft: Transforming Text into Neural Human Avatar with Parameterized Shape and Pose Control

Mar, 2023

Ruixiang Jiang, Can Wang, Jingbo Zhang, Menglei Chai, Mingming He, Dongdong Chen, Jing Liao

Under Review

- We propose a framework to generate 3d human avatars from text prompts, which could be explicitly reshaped and animated with SMPL parameters. We further demonstrate that the generated avatars could be rendered together with realistic scenes.
- Designed, prototyped, experimented with, and improved the novel text-to-3D method. Also responsible for presenting the method through a paper, a website, and a video demo.

CLIP-Count: Towards Text-Guided Zero-Shot Object Counting

May, 2023

Ruixiang JIANG, Lingbo Liu, Changwen Chen

Under Review

- We propose the furst method that count anything with text guidance.
- Designed and implemented the model, and wrote the paper.

EMPLOYMENT

Research Internship (Full time), City University of Hong Kong

Jun 2022 - Aug 2022

Research Internship (Part time), City University of Hong Kong

Sep 2022 - Apr 2023

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C#, SQL, Shell Script

Deep Learning Framework: Pytorch (preferred), Tensorflow, Pytorch-lightning, Jax

Communication: Chinese, English

Miscellaneous: L^AT_EX, Git, Linux, Unity3D, Adobe Lightroom

AWARDS

Undergraduate Research and Innovation Scholarship | (7,000 HKD)

Aug 2021

The Hong Kong Polytechnic University Scholarship | (40,000 HKD)

Feb 2022

2020-21 Dean's Honor List of Outstanding Student

Oct 2021

2021-22 Dean's Honor List of Outstanding Student

Oct 2022