JIANG RUIXIANG

(852)6874-9564 | rui-x.jiang@connect.polyu.hk| j-rx.com

EDUCATION

The Hong Kong Polytechnic University — Hong Kong
Bsc. Computer Science — *Aug 2019 - Aug 2023*

- GPA: 3.85/4.30, with First Class Honour

PUBLICATIONS

NeRF-Art: Text-Driven Neural Radiance Field Stylization — Dec, 2022
*Can Wang , **Ruixiang Jiang**, Menglei Chai, Mingming He, Dongdong Chen, Jing Liao* — *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* — *IEEE ICCV 2023*

- 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* — *ACM MM 23*

- We propose the first method that count anything with text guidance.
- Designed and implemented the algorithm, 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: LaTeX, 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