JIANG RUIXIANG

(852)6874-9564 | Email | Github | Homepage | Google Scholar

EDUCATION

The Hong Kong Polytechnic University — Kowloon, Hong Kong SAR
Bsc. Computer Science — *Aug 2019 - Present*

- cGPA: 3.83/4.30
- Minor in Applied Mathematics, minorGPA: 4.15/4.30

RESEARCH EXPERIENCE

NeRF-Art: Text-Driven Stylization of Neural Radiance Field — Dec 2022
*Can Wang , **Ruixiang Jiang**, Menglei Chai, Mingming He, Dongdong Chen, Jing Liao* — *Under Review (IEEE TVCG)*

- We propose the first text-driven method to stylize pretrained neural implicit scenes to match the desired art style.
- Responsible for implementing and experimenting a stylization algorithm based on three different baseline method.

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 human avatar from text prompts, which could be explicitly reshaped and animated with SMPL parameters. We further demonstrate that the generated avatar could be compositely rendered with realistic scenes.
- Responsible for designing, prototyping, experimenting with and improving a novel text-to-3D method. I am also responsible for presenting the method through a paper, a website, and a video demo.

Text-Driven Zero-Shot Object Counting — In progress, 2023
Final Year Project — *(Working Paper)*

- We explore the first text-driven method that counts the number of objects in the given image without fine-tuning on task-specific dataset.

TECHNICAL SKILLS

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

DL Framework: Pytorch (preferred), Tensorflow, Pytorch-lightning

Communication: Chinese, English

Miscellaneous: LaTeX, Git, Linux, Unity3D, Adobe Lightroom

AWARDS

Undergraduate Research and Innovation Scholarship	*(7,000 HKD)*	Aug 2021
2020-21 Dean's Honor List of Outstanding Student	Oct 2021
2021-22 Dean's Honor List of Outstanding Student	Oct 2022
The Hong Kong Polytechnic University Scholarship	*(40,000 HKD)*	Feb 2022

EXTRACURRICULAR

I love photography, and I've posted many of my works on social media.

I also enjoy reading, and I particularly like philosophy and psychology books.