

Bingliang Zhang

+86 18987951635 | bingliangzhang00@gmail.com | Beijing, China

EDUCATIONS

Special CS Pivot Class (Yao Class) 2019.8 - Present
IIIS, Tsinghua University, Undergraduate Beijing, China

- First three years' GPA is **3.97/4.00** (rank **2/94** in Yao Class)
- 14 Full Score (A+) Courses (48 credits in total)**: Deep Learning, AI+X (AI Interdisciplinary Research Project), Probability and Statistics, Data Structure, Fundamentals of Object-Oriented Programming, Fundamentals of Programming, etc.

CMU Visiting Research Program 2022.2 - 2022.8
RI, Carnegie Mellon University, Visiting Student Pittsburgh, US

EXPERIENCES

Finetuning Text-to-Image Diffusion Models 2022.10 – Present
Text-to-Image Generation, Diffusion Model, Few Shot Learning Advisor: Jun-Yan Zhu

- Given a pretrained diffusion model, a finetuning method is proposed to adapt it to new unseen categories or personalized objects without losing learnt knowledge.

Object-Centric GANs from In-the-wild Images 2022.2 – Present
Unconditioned Object-Centric Generation, In-the-wild Images Advisor: Jun-Yan Zhu

- Given a in-the-wild images dataset of certain category, a framework is proposed to handle possible difficulties within current GAN training, such as occlusion, partial visibility, any resolution. As a results, we'd like to model and generate full body images without occlusions.

Agent Decision Diversity 2021.7 – 2022.2
Reinforcement Learning, Policy Gradient, Diversity Advisor: Yi Wu

- A project to learn diverse but equally good policy in complicated environments. The proposed algorithm, RSPO, is able to continuously discover diverse strategies by iteratively learning new policies that are distinct from previous ones.

PUBLICATIONS

Multi-concept Customization of Text-to-Image Diffusion 2022
Submitted to CVPR 2023 and not been accepted yet as second author

Continuously Discovering Novel Strategies via Reward-Switching Policy Optimization 2021
ICRL 2022 Poster as third author

AWARD

Yao-Award Recognition Price 2022
<10% of all Yao Class students

China National Scholarship 2021
<0.2% of all undergraduates in China

Academic Excellence Scholarship 2020
<5% of all students in university