Zilyu Ye

Tel : +86 18138209188
Wechat : yzl041030
E-mail : zilyuye@foxmail.com
Github : github.com/YeLuoSuiYou

Educational Experience

Undergraduate: South China University of Technology Artificial Intelligence *2022.09 - 2026.06 (expected)*
GPA: 3.59/4.0
Major Course: Python Programming (4.0/4.0), Course Design of Advanced Language Programming (4.0/4.0 best project), Calculus (4.0/4.0), Artificial Intelligence and 3D Vision (4.0/4.0) ...

Research Interests

Computer Vision, Multimodal Learning, Image/Video Generation, Generative Adversarial Model

Experience

Research Intern, SCUT, supervised by Prof. Patrick Chan *2023.03 - 2023.08*

- Gained a thorough understanding of the principles and theoretical foundations of GANs.
- Implemented GAN-based models for image shadow removal, capable of effectively removing shadows from input images.
- Evaluated and improved model performance by exploring different network architectures, loss functions, and optimization algorithms.

Research Intern, SCUT, supervised by Prof. Qi Liu *2023.09 - present*

- Engaged in image generation, and multimodal learning research
- Explored the use of diffusion models for generating high-quality, subject-driven image and video content

Research Intern, WestLake University, supervised by Prof. Guo-jun Qiu *2024.03 - present*

- Explore high-quality video generation datasets and architectures for video generation
- Collaborated on the development of subject-driven storytelling visual task models and datasets

Awards and Competitions

1. Asia and Pacific Mathematical Modeling Contest --Third Prize
2. National College Student Robot Contest (ROBOCON) --Third Prize
3. National Undergraduate Mathematical Modeling Contest In Guangdong Province -- Second Prize
4. SCUT Future Technology Institute "Alibaba Cloud Cup" Programming Competition -- Third Prize
5. SCUT Scholarship -- Third Prize
6. Excellence Group Scholarship, SCUT -- Third Prize

Technical Skills

- Have strong coding skills and practical experience in deep learning code
- Understand the basic concepts of machine learning and deep learning, and have a good mathematical foundation
- Basically able to use C++, Python, JavaScript, Go, and master deep learning and development frameworks such as PyTorch and Vue.