

XIAOYANG WAN

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EDUCATION

Zhejiang University

Zhejiang, China

BS in Computer Science

Sep 2021 – Jun 2025

GPA: 3.96 / 4.00 (Average Score: 90.71/100; rank TOP 20%)

Core courses:

- ✧ **DAMO Academy & ModelScope Practical AIGC Training Program (95/100)**
 - **Highlights:** Engineered AIGC styles with majicMix-v6, trained LoRA for New Year portraits, and integrated these into ModelScope's face chain toolchain - Won 3rd prize in The 6th Open Source Innovation Competition for the new portrait style we provided.
- ✧ **CS:** Fundamental Data Structure (98/100), B/S Software Development(96/100), Operating System (98/100), C Programming(94/100), Computer Organization(93/100), Database System(90/100), Natural Language Processing(95/100)
- ✧ **Mathematics:** Computational Theory (95/100), Probability Theory(95/100), Calculus (93/100), Linear Algebra(91/100)

RESEARCH & PROJECT EXPERIENCE

1. AnyEdit – Robust SOTA image editing pipelines for various change types like human imagination. *Jun 2023*

- Present

Advisor: Juncheng Li

- ✓ **Research Achievements:** Enhanced AnyEdit's image editing capabilities by optimizing diffusion models and utilizing Hugging Face within a provided framework. Handled script configurations for environment setup and pipeline management and evaluated model performance to select the best for moving and resizing tasks, focusing on accuracy and efficiency. Applied object masks to identify task-relevant image subjects precisely.
- ✓ **Responsibilities:** Played a pivotal role in optimizing image editing workflows, which included refining existing pipelines within a framework provided by senior members. Managed project environment setup through bash scripting, handled pre-trained model weights and executed a variety of editing pipelines. Performed comparative analysis to determine the optimal accuracy, efficiency, and visual consistency models.
- ✓ **Outcomes:** Accepted by IEEE Conference on Computer Vision and Pattern Recognition 2025 (CVPR 2025).

2. Contextual Synthesis for Comprehensive Multi-modal Description

Jan – Apr 2024

Collaborator: Hongjun Liu

- ✧ **Research Achievements:** Created a RAG knowledge base, integrating comic images with contextual data from Wikipedia to enhance GPT-like models with accurate, context-aware responses.
- ✓ **Responsibilities:** Directed the RAG knowledge base development, optimized Contriver for retrieval, and merged contextual data with image descriptions. Worked closely with

Hongjun Liu on project objectives.

3. 2D Game Development in NUS School of Computing Summer Workshop

Jul - Aug 2023

Lecturer: Kelvin Sung

- ✧ **Research Achievements:** Developed a turn-based multiplayer game in Unity/C#, earning an A+ and ranking 2nd in the showcase, demonstrating rapid learning and competitive development skills.
- ✓ **Responsibilities:** Directed game development from inception to launch, designed multiplayer skill mechanics, and effectively rivaled experienced developers.

PUBLICATIONS

Qifan Yu, Wei Chow, Zhongqi Yue, Kaihang Pan, Yang Wu, Xiaoyang Wan, Juncheng Li, Siliang Tang, Hanwang Zhang, and Yueting Zhuang. 2024. "AnyEdit: Mastering Unified High-Quality Image Editing for Any Idea." arXiv preprint arXiv:2411.15738. <https://arxiv.org/abs/2411.15738>. (Accepted by CVPR 2025)

EXTRACURRICULAR ACTIVITIES

- **Asian Games and Asian Para Games Volunteer** *Jun - Oct 2023*

Main Media Center Consultant

 - ✧ **Responsibilities:** Managed accommodation and meal card services for international journalists, ensuring smooth data integration and addressing urgent requests.
 - ✓ **Achievements:** Honed English communication skills and crisis management abilities under pressure while meeting the stringent requirements of the organizing committee.
- **Yunfeng Party Member Training Base, Zhejiang University** *Sep 2022 - Jun 2023*

Minister of Publicity

 - ✧ **Responsibilities:** Managed the department's publicity efforts, organized promotional campaigns, led discussions on current events, and invited distinguished individuals to share insights on ideals and beliefs.
 - ✓ **Achievements:** Recognized with an "Outstanding" rating in the annual performance review.

AWARDS & ACHIEVEMENTS

1. The 6th Open Source Innovation Competition - **Third prize (National competition)**
2. Asian Games Organizing Committee - **Excellent Volunteers for the 19th Hangzhou Asian Games**

Apr 2024
3. Zhejiang University - **Third Class Scholarship**

Oct 2023

SKILLS

- **Computer Skills:** Experienced with PyTorch for deep learning model development. Proficient in Unity for creating interactive game environments. Skilled in Docker for efficient model deployment and environment management.
- **Language Skills:** Strong English communication abilities, with a TOEFL score of 114, including 26 in speaking and 28 in writing.

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- **GRE:** 328 Verbal Reasoning:158, Quantitative Reasoning:170, Analytical Writing:3.5 (Sep 2024)