

# YABO ZHANG

✉ hitzhangyabo2017@gmail.com · ☎ (+86) 18800420960 · 🎓 Google Scholar

🌐 <https://ybybzhong.github.io>

## 📌 RESEARCH INTEREST

My interests lie in the field of generative models and multimodal language models, particularly in enhancing the performance of foundational models (e.g., VideoElevator) and making them more convenient and efficient for application in visual creation (e.g., FramePainter, ControlVideo, and ELITE).

## 🎓 EDUCATION

**Harbin Institute of Technology (HIT)**, Harbin, China 2023.09 – 2027.06 (Expected)

*Ph.D. student* in Computer Science Advisor: Prof. Wangmeng Zuo

**Harbin Institute of Technology (HIT)**, Harbin, China 2021.09 – 2023.06

*Master student* in Computer Science Advisor: Prof. Wangmeng Zuo

**Harbin Institute of Technology (HIT)**, Harbin, China 2017.09 – 2021.06

*Bachelor student* in Computer Science

## 👤 PROJECT/INTERNSHIP EXPERIENCE

**ByteDance** Beijing, China June. 2022 – Jan. 2023

*Full-Time Research Intern* Advisor: Jiashi Feng, Zihao Wang, Jun Hao Liew.

- **Text-supervised Semantic Segmentation:** Excellent performance of semantic segmentation highly depends on labor-intensive labels. We attempt to alleviate this issue using data-sufficient text supervision signals.

## ☰ SELECTED PUBLICATIONS

1. **Yabo Zhang**, Xinpeng Zhou, Yihan Zeng, Hang Xu, Wangmeng Zuo. FramePainter: Endowing Interactive Image Editing with Video Diffusion Priors. *arXiv* 2025, ~**300 stars**.
2. **Yabo Zhang**, Yuxiang Wei, Xianhui Lin, Zheng Hui, Peiran Ren, Xuansong Xie, Wangmeng Zuo. VideoElevator: Elevating Video Generation Quality with Versatile Text-to-Image Diffusion Models. *AAAI* 2025.
3. **Yabo Zhang**, Yuxiang Wei, Dongsheng Jiang, Xiaopeng Zhang, Wangmeng Zuo, Qi Tian. ControlVideo: Training-free Controllable Text-to-Video Generation. *ICLR* 2024, **800+ stars**.
4. **Yabo Zhang**, Mingshuai Yao, Yuxiang Wei, Zhilong Ji, Jinfeng Bai, Wangmeng Zuo. DiFa: Towards Diverse and Faithful One-shot Adaption of Generative Adversarial Networks. *NeurIPS* 2022.
5. Yuxiang Wei, **Yabo Zhang**, Zhilong Ji, Jinfeng Bai, Lei Zhang, Wangmeng Zuo. ELITE: Encoding Visual Concepts into Textual Embeddings for Customized Text-to-Image Generation. *ICCV* 2023 **Oral, 500+ stars**.
6. Mingshuai Yao, **Yabo Zhang**, Xianhui Lin, Xiaoming Li, Wangmeng Zuo. VQ-Font: Few-Shot Font Generation with Structure-Aware Enhancement and Quantization. *AAAI* 2024.

## ♥ HONORS AND AWARDS

China National Scholarship	2022
Excellent Graduate at Harbin Institute of Technology	2021, 2023
Meritorious Winner in Mathematical Contest in Modeling (Top 7%)	2020
First-Class People's Scholarship (Top 3%)	2017, 2019
Huawei Enterprise Scholarship (Top 3%)	2019

## 🔧 SERVICES

- **Journal reviewers:** TPAMI, TIP, TNNLS, TCSVT, Science China, Machine Learning
- **Conference reviewers:** NeurIPS (2023, 2024), ICLR (2024, 2025), CVPR (2024, 2025), ICML (2024, 2025), ECCV 2024, AAAI 2025