

Jiazi Bu

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🔗 bujiazi.github.io

🌐 Bujiazi

Education

- BS** **Shanghai Jiao Tong University**, Artificial Intelligence ([Guozhi Class](#)) Sept 2021 – June 2025
- **GPA:** 4.04/4.3; **Average Score:** 92.90/100; **Rank:** 8/95 (**TOP 10%**)
 - **Related Coursework:** Mathematical Analysis, Linear Algebra, Data Structure, Computer Vision, Data Mining, Reinforcement Learning

Experience

- Shanghai Artificial Intelligence Laboratory**, Research Intern Shanghai, China
Nov 2023 – Now
- Research Fields: Generative Models and Large Vision-Language Models.
 - Mentor: Jiaqi Wang. Supervised by Prof. Dahua Lin.
- SJTU ReThinklab**, Research Intern Shanghai, China
Oct 2022 – May 2024
- Research Fields: Computer Vision and AI4Sci.
 - Supervised by Prof. Junchi Yan.

Publications

[CVPR 2025] ByTheWay: Boost Your Text-to-Video Generation Model to Higher Quality in a Training-free Way

Jiazi Bu*, Pengyang Ling*, Pan Zhang, Tong Wu, Xiaoyi Dong, Yuhang Zang, Yuhang Cao, Dahua Lin, Jiaqi Wang

[Paper](#) / [Code](#)

[ICLR 2025] MotionClone: Training-Free Motion Cloning for Controllable Video Generation

Pengyang Ling*, **Jiazi Bu***, Pan Zhang, Xiaoyi Dong, Yuhang Zang, Tong Wu, Huaian Chen, Jiaqi Wang, Yi Jin

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[Arxiv 2025] HiFlow: Training-free High-Resolution Image Generation with Flow-Aligned Guidance

Jiazi Bu*, Pengyang Ling*, Yujie Zhou*, Pan Zhang, Tong Wu, Xiaoyi Dong, Yuhang Zang, Yuhang Cao, Dahua Lin, Jiaqi Wang

[Paper](#) / [Code](#)

[Arxiv 2025] Light-A-Video: Training-free Video Relighting via Progressive Light Fusion

Yujie Zhou*, **Jiazi Bu***, Pengyang Ling*, Pan Zhang, Tong Wu, Qidong Huang, Jinsong Li, Xiaoyi Dong, Yuhang Zang, Yuhang Cao, Anyi Rao, Jiaqi Wang, Li Niu

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[Neurips 2024] Unveiling The Matthew Effect Across Channels: Assessing Layer Width Sufficiency via Weight Norm Variance

Yiting Chen, **Jiazi Bu**, Junchi Yan

[Paper](#) / [Code](#)

[AAAI 2024] ViTree: Single-Path Neural Tree for Step-Wise Interpretable Fine-Grained Visual Categorization

Danning Lao, Qi Liu, **Jiazi Bu**, Junchi Yan, Wei Shen

[Paper](#)

[SCIENCE CHINA Information Sciences] Learning Drug-Drug Interaction from a Hierarchical View

Huaijin Wu, **Jiazi Bu**, Nianzu Yang, Yao Sun, Haitao Song, Ning Liu, Junchi Yan

[Arxiv 2023] MetaScript: Few-Shot Handwritten Chinese Content Generation via Generative Adversarial Networks

Jiazi Bu*, Qirui Li*, Kailing Wang*, Xiangyuan Xue*, Zhiyuan Zhang*

[Paper](#) / [Code](#)

Projects

DeepMovie

Code [↗](#)

- Developed a plug-and-play deep DNN training pipeline turning most deep learning base modules into a movie recommender system.
- Tools Used: Python.

VR Pacman

Code [↗](#)

- Developed a 3D first-person Pac-Man game using the Unity engine.
- Tools Used: C, C++, Unity.

Technologies

Languages: CET4: 636; CET6: 612.

Programming Languages: C++, C, Python, Latex.

Technologies: PyTorch, Diffusers, Transformers.

Honors & Awards

Zhiyuan Honors Scholarship

2021, 2022, 2023, 2024

- ¥ 5000, received as part of the Honor Program.

Guozhi Scholarship

2022

- ¥ 8000, received as being in the top 15% of SJTU AI students.

SJTU Undergraduate Scholarship

2022, 2023, 2024

CUMCM National First Prize (TOP 0.55%) / First Prize in Shanghai Chapter

2023

SJTU President Award

2023

- Received for serving as a student volunteer during the COVID-19 pandemic.

SJTU Outstanding Freshman Training Camp Member

2021