

# Qizhe Zhang [Homepage]

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GitHub · Google Scholar



## EDUCATION

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- **PhD, Artificial Intelligence**  
HMI Lab, NELVT, PKU  
Advisor: Shanghang Zhang  
2023 to present
- **Bachelor, Artificial Intelligence**  
Turing Class (Honor Class), CFCs (EECS), PKU  
Economics (Dual Degree), NSD, PKU  
GPA: 3.725 / 4    Ranking: 10 / 81  
2019 to 2023
- **Middle School**  
Middle School affiliated to NPU  
2013 to 2019

## RESEARCH INTERSHIP

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- **BAAI (Beijing Academy of Artificial Intelligence)**  
AGI Interdisciplinary Research Center - Shuicheng Yan  
Memory Mechanism for LLM  
July 2023 to September 2023
- **BIGAI (Beijing Institute for General Artificial Intelligence)**  
GCV Lab, Frontier Research Center - Baoxiong Jia  
Embodied Cognition, Multi-modal Learning  
October 2021 to February 2022
- **CFCs (Center on Frontiers of Computing Studies), PKU (Peking University)**  
EPIC Lab - He Wang  
Semi-supervised/Self-supervised Learning  
February 2021 to September 2021

## AWARDS

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- **John Hopcroft Scholarship**  
2022
- **The Second Prize of China Southeast Mathematical Olympiad**  
2018
- **The First Prize of China North Star of Hope Mathematical Invitational Tournament**  
2017

## PUBLICATIONS

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- **Split & Merge: Unlocking the Potential of Visual Adapters via Sparse Training [Paper]**  
ECCV 2024 (in submission)
- **Gradient-based Parameter Selection for Efficient Fine-Tuning [Paper]**  
CVPR 2024
- **Adaptive Distribution Masked Autoencoders for Continual Test-Time Adaptation [Paper]**  
CVPR 2024
- **Unsupervised Spike Depth Estimation via Cross-modality Cross-domain Knowledge Transfer [Paper]**  
ICRA 2024
- **Exploring Sparse Visual Prompt for Domain Adaptive Dense Prediction [Paper]**  
AAAI 2023

## SKILLS

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- **Programming Language & Library**  
C/C++, Python, Java, JavaScript, MATLAB, PyTorch
- **Research Fields**  
Visual Perception Tasks (Classification, Detection, Segmentation), Contrastive Learning, Transfer Learning
- **Project Management**  
GitHub, Google Cloud, Linux, Bash, Slurm

## INTERESTS

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Computer Vision	Machine Learning	Brain-inspired Computing
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北京大学  
PEKING UNIVERSITY