

# Zefang Wang | Master Student

Zhejiang University

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🌐 aden9460.github.io/Zefang-Wang

## Education

### Zhejiang University

*Master of Engineering*

Hangzhou, China

2023.09–2026.03

- Major: Control Engineering
- Advisor: Dr. Guanzhong Tian
- Ranking: Top 10%

### North University of China

*Bachelor of Engineering*

Taiyuan, China

2019.09–2023.06

- Major: Rail Transit Signal and Control
- Ranking: Top 1%
- Honor: Outstanding Graduate

## Research Experience

### ENCODE Lab, Westlake University

*Visiting Student*

Hangzhou, China

2025.03–now

- Advisor: Prof. Huan Wang
- Conducted research on iOS mobile model deployment
- Developed compression methods for visual autoregressive models

## Publications

### CVPR 2026 (Under Review)

*EVAR: Edge Visual Autoregressive Models via Principled Pruning, First Author*

- Proposed a principled OBS-based structured pruning method for visual autoregressive models
- Introduced progressive scale-aware distillation to address gradient imbalance during next-scale autoregressive fine-tuning
- Achieved 1.8× speedup with only 10% quality loss on edge devices for single-image generation
- Project Page: <https://aden9460.github.io/EVAR/>

### ICLR 2026 (Under Review)

*OBS-Diff: Accurate Pruning For Diffusion Models in One-Shot, Fourth Author*

- Proposed an OBS-based training-free multi-granularity pruning method for diffusion models
- Introduced timestep-aware Hessian construction with logarithmically decreasing weights
- Minimized visual quality degradation while accelerating inference
- Project Page: <https://alrightlone.github.io/OBS-Diff-Webpage/>

### IEEE TNNLS 2024 (Accepted)

*An Effective Information Theoretic Framework for Channel Pruning, Second Author*

- Proposed an information-theoretic framework using entropy and rank fusion for layer-wise pruning rates
- Introduced Shapley value-based contribution evaluation as the intra-layer pruning criterion
- Demonstrated effectiveness in image classification and object detection tasks
- arXiv: <https://arxiv.org/abs/2408.16772>

## Research Interests

Model Compression, Network Pruning, Knowledge Distillation, Diffusion Models, Visual Autoregressive Models, Edge AI Deployment, Binary Neural Networks