

Junhan Zhu

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## Brief Intro

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I am an undergraduate student at Westlake University, actively seeking Ph.D. opportunities for Fall 2027. My research interests lie in **Efficient AI** and **Computer Vision**, with a focus on developing novel algorithms for model compression and efficient generative models.

## Education

Westlake University, Bachelor of Engineering in Electronic and Information Engineering	Sept. 2023 – Present
<ul style="list-style-type: none"><li>• Major GPA: 4.04/4.3</li><li>• <b>Selected Coursework:</b> Data Structures and Algorithms (A+), Calculus (A+), Digital Circuits (A+), Linear Algebra (A), Probability and Statistics (A), Natural Language Processing (A).</li></ul>	

# Experience

<b>Visiting Research Student</b> <i>ENCODE Lab, Westlake University</i>	Mar. 2025 - Present Advisor: Prof. Huan Wang
<ul style="list-style-type: none"><li>• Proposed <i>OBS-Diff</i>, a novel training-free, one-shot pruning framework for diffusion models, supporting diverse architectures and pruning granularities.</li><li>• Developed <i>SparAlloc</i>, a modular benchmark and toolkit for sparsity allocation algorithms in Large Language Model (LLM) pruning.</li></ul>	

**Visiting Research Student** July 2024 - Nov. 2024  
*TGAI Lab, Westlake University* Advisor: **Prof. Yaochu Jin**

## Publication

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**OBS-Diff: Accurate Pruning For Diffusion Models in One-Shot**  
J. Zhu, H. Wang, M. Su, Z. Wang, H. Wang\*  
[arXiv:2510.06751](https://arxiv.org/abs/2510.06751) | [Project Page](#) | [GitHub](#) Oct. 2025  
*Preprint*

# Project

SparAlloc: A Modular Framework for Decoupled Sparsity Allocation in LLM Pruning  
GitHub May 2025

## Awards

- **Hongyi Scholarship**, Westlake University Dec. 2024
- **Outstanding Bachelor's Student**, Westlake University Oct. 2025
- **Innovation Award**, Westlake University Oct. 2024 & Oct. 2025

## Skills

- **Programming:** Python, PyTorch, C/C++
- **Developer Tools:** Git, LaTeX, Linux Shell
- **Languages:** Chinese (Native), English (Fluent, IELTS 7.0)
- **Non-Technical:** Communication, Teamwork, Adaptability, Self-Management, Critical Thinking