

# ZHICHENG SUN

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## EDUCATION

### Peking University

Ph.D. Student in Data Science

Advisor: Prof. Yadong Mu

Beijing, China

09/2020 – 07/2025 (expected)

### Peking University

B.S. in Computer Science

Beijing, China

09/2016 – 07/2020

## INTERNSHIP

### Kuaishou Technology

Research Intern

Advisor: Dr. Kun Xu

Beijing, China

01/2024 – Current

## RESEARCH INTEREST

- **Generative models:** Building diffusion models and multimodal large language models with multimodal foundational knowledge.
- **Continual learning:** Enabling rapid adaptation and knowledge accumulation of neural networks in open-world environments.

## PUBLICATIONS

1. **RectifID: Personalizing Rectified Flow with Anchored Classifier Guidance**  
Zhicheng Sun, Zhenhao Yang, Yang Jin, Haozhe Chi, Kun Xu, Kun Xu, Liwei Chen, Hao Jiang, Di Zhang, Yang Song, Kun Gai, Yadong Mu  
*Preprint, 2024*
2. **Video-LaVIT: Unified Video-Language Pre-training with Decoupled Visual-Motional Tokenization**  
Yang Jin, Zhicheng Sun, Kun Xu, Kun Xu, Liwei Chen, Hao Jiang, Quzhe Huang, Chengru Song, Yuliang Liu, Di Zhang, Yang Song, Kun Gai, Yadong Mu  
*ICML, 2024*
3. **Exploring Orthogonality in Open World Object Detection**  
Zhicheng Sun, Jinghan Li, Yadong Mu  
*CVPR, 2024*
4. **Countering Personalized Text-to-Image Generation with Influence Watermarks**  
Hanwen Liu, Zhicheng Sun, Yadong Mu  
*CVPR, 2024*
5. **Rewiring Neurons in Non-Stationary Environments**  
Zhicheng Sun, Yadong Mu  
*NeurIPS, 2023 (Spotlight)*
6. **Regularizing Second-Order Influences for Continual Learning**  
Zhicheng Sun, Yadong Mu, Gang Hua  
*CVPR, 2023*
7. **Patch-based Knowledge Distillation for Lifelong Person Re-Identification**  
Zhicheng Sun, Yadong Mu  
*ACM Multimedia, 2022*

## SELECTED AWARDS

- Xingye Scholarship, Peking University, 2023
- Merit Student, Peking University, 2023
- Academic Excellence Award, Peking University, 2022
- Silver Medal in Chinese Physics Olympiad, 2015

## ACADEMIC SERVICES

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- **Conference reviewer:** NeurIPS 2024, ICCV 2023, ECCV 2024, ACM Multimedia 2022-2024, ACCV 2024
- **Journal reviewer:** TMM 2022-2023, Neurocomputing 2022
- **Teaching assistant:** Computer Vision and Deep Learning by Prof. Yadong Mu, Spring 2022
- **Teaching assistant:** Deep Learning: Algorithm and Application by Prof. Yadong Mu, Spring 2024

## TECHNICAL SKILLS

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- **Programming languages:** Python, C/C++, Java, R, HTML/CSS, JavaScript
- **Frameworks & tools:** PyTorch, TensorFlow, OpenCV