

# ZHICHENG SUN

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## EDUCATION

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### Peking University

Ph.D. Student in Data Science  
Supervisor: Prof. Yadong Mu

Beijing, China  
09/2020 – 07/2025

### Peking University

B.S. in Computer Science

Beijing, China  
09/2016 – 07/2020

## EXPERIENCE

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### Pika Labs

Research Scientist

Palo Alto, USA  
01/2026 – Present

### Pika Labs

Research Scientist

Supervisor: Chenlin Meng

Beijing, China (Remote)  
11/2024 – 12/2025

### Kuaishou Technology

Research Intern

Supervisor: Dr. Kun Xu

Beijing, China  
01/2024 – 11/2024

## RESEARCH INTEREST

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I research on **Generative Models** and **Continual Learning**. My short-term goal is to improve generative models from the continual learning perspective (e.g. efficiency, knowledge sharing). My long-term goal is to enable generative models to learn continually (via new paradigms such as flow-based models and equilibrium models).

## PUBLICATIONS

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### 1. Enhancing Consistency of Flow-Based Image Editing through Kalman Control

Haozhe Chi, Zhicheng Sun, Yang Jin, Yi Ma, Jing Wang, Yadong Mu  
*NeurIPS, 2025*

### 2. Closed-Loop Long-Horizon Robotic Planning via Equilibrium Sequence Modeling

Jinghan Li, Zhicheng Sun, Yadong Mu  
*ICML, 2025*

### 3. Pyramidal Flow Matching for Efficient Video Generative Modeling

Yang Jin, Zhicheng Sun, Ningyuan Li, Kun Xu, Kun Xu, Hao Jiang, Nan Zhuang, Quzhe Huang, Yang Song, Yadong Mu, Zhouchen Lin  
*ICLR, 2025 (GitHub Stars: 3.2k)*

### 4. Granularity-Adaptive Spatial Evidence Tokenization for Video Question Answering

Hao Jiang, Yang Jin, Zhicheng Sun, Kun Xu, Kun Xu, Liwei Chen, Yang Song, Kun Gai, Yadong Mu  
*AAAI, 2025*

### 5. RectifID: Personalizing Rectified Flow with Anchored Classifier Guidance

Zhicheng Sun, Zhenhao Yang, Yang Jin, Haozhe Chi, Kun Xu, Kun Xu, Liwei Chen, Hao Jiang, Yang Song, Kun Gai, Yadong Mu  
*NeurIPS, 2024*

### 6. 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 (Oral)*

### 7. Exploring Orthogonality in Open World Object Detection

Zhicheng Sun, Jinghan Li, Yadong Mu  
*CVPR, 2024*

8. **Countering Personalized Text-to-Image Generation with Influence Watermarks**  
Hanwen Liu, Zhicheng Sun, Yadong Mu  
*CVPR, 2024*
9. **Rewiring Neurons in Non-Stationary Environments**  
Zhicheng Sun, Yadong Mu  
*NeurIPS, 2023 (Spotlight)*
10. **Regularizing Second-Order Influences for Continual Learning**  
Zhicheng Sun, Yadong Mu, Gang Hua  
*CVPR, 2023*
11. **Patch-based Knowledge Distillation for Lifelong Person Re-Identification**  
Zhicheng Sun, Yadong Mu  
*ACM Multimedia, 2022*

## SELECTED AWARDS

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- Outstanding Graduate, Peking University, 2025
- National Scholarship, Peking University, 2024
- Xingye Scholarship, Peking University, 2023
- Merit Student, Peking University, 2023, 2024
- Academic Innovation Award, Peking University, 2024
- Academic Excellence Award, Peking University, 2022
- Silver Medal in Chinese Physics Olympiad, 2015

## ACADEMIC SERVICES

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- **Conference reviewer:** ICLR 2025–2026, ICML 2025–2026, NeurIPS 2024–2025, CVPR 2025, ICCV 2023–2025, ECCV 2024, ACM Multimedia 2022–2025, AAAI 2026, AISTATS 2025, ACCV 2024, ACML 2024–2025, WACV 2024
- **Journal reviewer:** TMM 2022–2025, TNNLS 2024, TCSVT 2024, 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