

Yongqi Chen

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EDUCATION

University of Michigan, Ann Arbor

Aug. 2023 - Apr. 2025

- M.S. in Robotics

Ann Arbor, MI

Zhejiang University

Sep. 2019 - Jun. 2023

- B.S. in Robotics (Chu Kochen Honors College)

Hangzhou, China

RESEARCH EXPERIENCE

Research Interests: Fast and efficient video generation; Enabling real-time interactive video generation

Research Intern | University of California, San Diego | Advisor: Hao Zhang

Nov.2024 – Aug.2025

- Introduced Sliding Tile Attention, a novel sparse attention mechanism to accelerate inference for video generation.
- Propose a new trainable sparse attention-VSA to accelerate large-scale pre-training and inference for video generation; develop an effective strategy for adapting dense attention models to sparse attention.

INDUSTRY EXPERIENCE

Morpheus AI

Sep.2025 – Present

Member of Technical Staff

PUBLICATIONS

1. Fast Video Generation with Sliding Tile Attention. ICML 2025

Peiyuan Zhang, Yongqi Chen, Runlong Su, Hangliang Ding, Ion Stoica, Zhengzhong Liu, Hao Zhang

2. Faster Video Diffusion with Trainable Sparse Attention. NeurIPS 2025

Peiyuan Zhang*, Yongqi Chen*, Haofeng Huang*, Will Lin, Zhengzhong Liu, Ion Stoica, Eric P Xing, Hao Zhang

OPEN-SOURCE PROJECTS

1. Core member of [FastVideo](#)

TECHNICAL SKILLS

Programming Languages: Python, C, C++, MATLAB

Tools: Pytorch, ROS, Diffusers

Interest: Basketball, Reading, Travelling, Singing