

Yongqi Chen

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EDUCATION

University of California, San Diego

- Research Intern

May. 2025 - Present

San Diego, CA

University of Michigan, Ann Arbor

- M.S. in Robotics

Aug. 2023 - Apr. 2025

Ann Arbor, MI

Zhejiang University

- B.S. in Robotics (Chu Kochen Honors College) GPA: 3.87/4.0

Sep. 2019 - Jun. 2023

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 - Present

- 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.

Research Intern | University of California, San Diego | Advisor: Zhijian Liu

Nov. 2024 - May. 2025

- Introduce StreamingVLM, a novel plug-and-play method to accelerate VLM inference in streaming settings, enabling 4x speedup for long-history vision-language-action models for navigation.

Research Assistant | University of Michigan | Advisor: Samet Oymak

Jan. 2024 - Oct. 2024

- Explore hybrid architectures for long-context LLM
- Examine the detection of adversarial reasoning errors in LLMs' mathematical reasoning.

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. In submission

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

3. Algorithmic Oversight for Deceptive Reasoning. NeurIPS 2024 Workshop

Ege Taga, Mingchen Li, Yongqi Chen, Samet Oymak

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