

MARCO CHEN

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Research Interests: Efficient Machine Learning, Optimization Theory

EDUCATION

Tsinghua University Bachelor of Science in Computer Science and Technology (<i>GPA: 3.9/4.0</i>)	Beijing, China Aug. 2023 – Present
Shen Wai International School IB Diploma (<i>Score: 45/45, SAT: 1570/1600</i>) Prior education in the United States	Shenzhen, China Aug. 2020 – May 2023

SELECTED PUBLICATIONS

* indicates equal first authorship.

[ICML 2026] Poster	SimpleGPT: Improving GPT via A Simple Normalization Strategy. 🔄 Code Marco Chen* , Xianbiao Qi*, Yelin He, Jiaquan Ye, Rong Xiao.
[ICML 2026] Spotlight	Delving into Muon and Beyond: Deep Analysis and Extensions. 🔄 Code Xianbiao Qi*, Marco Chen* , Jiaquan Ye, Yelin He, Rong Xiao.
[arXiv 2026] Preprint	SageBwd: A Trainable Low-Bit Attention Jintao Zhang*, Marco Chen* , Haoxu Wang*, Jianfei Chen, Jun Zhu.
[ICLR 2026] Poster	DNT: a Deeply Normalized Transformer that can be trained by Momentum SGD. Xianbiao Qi, Marco Chen , Wenjie Xiao, Jiaquan Ye, Yelin He, Chun-Guang Li, Zhouchen Lin.
[arXiv 2026] Preprint	Vidu S1: A Real-Time Interactive Video Generation Model Jintao Zhang*, Kai Jiang*, Jintao Chen*, Xu Wang*, ..., Marco Chen , ..., Jianfei Chen, Jun Zhu.
[NeurIPS 2025] Poster	Señorita-2M: A High-Quality Instruction-based Dataset for General Video Editing by Video Specialists. Bojia Zi*, Penghui Ruan*, Marco Chen , Xianbiao Qi, ..., Bin Liang, Rong Xiao, Kam-Fai Wong.

RESEARCH & EXPERIENCE

ShengShu Technology <i>Research Intern, Streaming Video Generation & Inference Acceleration Department</i>	Beijing, China March 2026 – June 2026
- Conducted research on W4A4 low-bit inference acceleration for real-time video generation systems. - Implemented audio-side components for low-latency conversational interaction in the Vidu S1 system.	

SELECTED AWARDS

Tsinghua CS Department Comprehensive Excellence Scholarship	2024, 2025
Beijing Foreign Student Full Scholarship (Grade A)	2024, 2025, 2026
American Invitational Mathematics Examination (AIME) — Qualification	2021, 2022

EXTRACURRICULARS

Tsinghua University Squash <i>Former President & Cofounder, Student Squash Association; Founder & Captain, CS Team</i>	Beijing, China Sep. 2024 – Present
- Cofounded Tsinghua's official squash association and school team; grew membership from 0 to 300+ as president. - Founded and captained the CS Department team to 1st place in the inaugural THU Squash Club League.	
Creativity, Activity, Service (CAS) STEM Outreach Project <i>Project Leader</i>	Shenzhen / Online Jan. 2022 – Aug. 2023
- Founded and led a STEM education channel producing 3Blue1Brown-style math and physics animations (Manim). - Achieved 50,000+ total views on Bilibili; Channel link: space.bilibili.com/661163503	

SKILLS & INTERESTS

- Programming:** Python, C++, C, Rust, Java, JavaScript
- ML & Systems:** PyTorch, CUDA, Triton, MPI, OpenMP, Tensorflow
- Languages:** English (Native), Mandarin Chinese (Native), Spanish (Proficient)
- Interests:** Squash (THU Squash Team), Violin (THU Symphony Orchestra), Badminton, Open-hardware keyboards