Caoyuan Ma

Wuhan University

Computer Science and Technology

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 GitHub: Miles629

 https://miles629.github.io

EDUCATION

- **The University of Tokyo** *2025.10-now*
  Information Science and Technology - MLLM Safety — PhD

- **Wuhan University - School of Computer and Science** *2022.9-2025.6*
  Computer Science and Technology - Human-centric AIGC & 3D — Master

- **Wuhan University - School of Computer and Science** *2018.9-2022.7*
  Software Engineering - GPA 3.87/4.0, Top 1% in 2 academic years — Undergraduate

EXPERIENCE

- **Intern Experience** *2022.09-now*

Since 2022, I have participated in six high-intensity internship programs, spanning diverse settings including academic research, algorithm R&D, and engineering deployment.

From 2022 to 2024, despite having no prior experience, I led from scratch the construction of a multi-camera array infrastructure for a joint research project between **Noitom** and **JD Group**, under the mentorship of Liu Wu (now a specially appointed professor at USTC). After completing the project, I published a CVPR paper as the sole first author.

In 2025, I joined **TeleAI** to conduct early R&D on cross-domain applications of large models. At **Stepfun**, I led (4 members in total) the development of a large-scale video data curation pipeline, processing more than 30 TB of video data. I then joined the U.S. company **Hedra** to work on human-centric long-video generation models, work on stabilizing the generative distribution based on Self-forcing. I also participated at **Shanghai AI LAB** in developing safety reinforcement for large models' chain-of-thought reasoning.

INTERESTS

- **Research** *More Info:https://miles629.github.io/research.html*

I have been involved in research across many different areas, including 3D vision, 3D human modeling, motion generation, video generation, and large-model research. This is closely tied to my extensive internship experience: I enjoy exploring unfamiliar topics and breaking them down into submodules to make them explainable, and then refine them. At present, my primary focus is on the safety of large models, because this is the PhD topic I plan to pursue. At the same time, it is inherently difficult to explain, which makes it especially research-worthy.

- **Learn Something New**

I like exploring fields horizontally. I'm currently a skilled cook and have a basic command of a second foreign language. In past internships, I usually volunteered to serve as the project lead to develop my ability to coordinate resources with others. I've gradually shifted from being introverted to extroverted. I've also experimented with game cheating, computer networks, website development, tennis and instruments.

AWARDS

- **Scholarship:** National Scholarship * 2 (2/208), First Class Scholarship * 2 (Top 5%), Spring GX

- **Honor:** Outstanding graduates of Wuhan University (Top 10%)

- **Competition:** Meritorious Winner of Mathematical Contest in Modeling(MCM)
  First prize of National Undergraduate IoT Contest.