

YUEZHOU MA

mayuezhou20@gmail.com

[Google Scholar](#)

[Homepage](#)

EDUCATION

Ph.D. in Software Engineering

School of Software, Tsinghua University

August 2024 – June 2029 (*expected*)

Beijing, China

- Advisor: [Prof. Mingsheng Long](#)
- Research Interests: **Physical AI, World Models**

Bachelor in Pure and Applied Mathematics

Department of Mathematical Sciences, Tsinghua University

August 2020 – June 2024

Beijing, China

- GPA: 3.91/4.0, Rank: 2/61

EXPERIENCE

Research Intern

Kling AI, Kuaishou

July 2026-August 2026 (*expected*)

Beijing, China

PUBLICATIONS AND PREPRINTS

PhySense: Sensor Placement Optimization for Accurate Physics Sensing

Yuezhou Ma, Haixu Wu, ..., Jianmin Wang, Mingsheng Long#. *NeurIPS*, 2025. *Oral Paper (Top 0.3%)*.

[\[PDF\]](#) [\[Code\]](#)

ProPINN: Demystifying Propagation Failures in Physics-Informed Neural Networks

Yuezhou Ma*, Haixu Wu*, Hang Zhou, Huikun Weng, Jianmin Wang, Mingsheng Long#. *TMLR*, 2026.

[\[PDF\]](#) [\[Code\]](#)

Unisolver: PDE-Conditional Transformers Are Universal PDE Solvers

Hang Zhou*, Yuezhou Ma*, Haixu Wu#, Haowen Wang, Mingsheng Long#. *ICML*, 2025.

[\[PDF\]](#) [\[Code\]](#)

Brep2Shape: Boundary and Shape Representation Alignment via Self-Supervised Transformers

Suanxu Sun*, Yuezhou Ma*, Haixu Wu#, ..., Jianmin Wang, Mingsheng Long#. *ICML*, 2026.

[\[PDF\]](#) [\[Code\]](#)

Transolver-3: Scaling Up Transformer Solvers to Industrial-Scale Geometries

Hang Zhou, Haixu Wu, Haonan Shangguan, Yuezhou Ma, ..., Mingsheng Long#. *ICML*, 2026.

[\[PDF\]](#) [\[Code\]](#)

Accuracy law for the future of deep time series forecasting

Yuxuan Wang*, Haixu Wu*, Yuezhou Ma, ..., Jianmin Wang, Mingsheng Long#. *arxiv*, 2025.

[\[PDF\]](#)

FlashBias: Fast Computation of Attention with Bias

Haixu Wu, Minghao Guo, Yuezhou Ma, ..., Mingsheng Long#. *NeurIPS*, 2025.

[\[PDF\]](#) [\[Code\]](#)

RoPINN: Region Optimized Physics-Informed Neural Networks

Haixu Wu, Huakun Luo, Yuezhou Ma, Jianmin Wang, Mingsheng Long#. *NeurIPS*, 2024.

[\[PDF\]](#) [\[Code\]](#)

HelmFluid: Learning Helmholtz Dynamics for Interpretable Fluid Prediction

Lanxiang Xing*, Haixu Wu*, Yuezhou Ma, Jianmin Wang, Mingsheng Long#. *ICML*, 2024.

[\[PDF\]](#) [\[Code\]](#)

HONORS AND AWARDS

ICML 2026 Travel Award @JQ Investments	2026
NeurIPS Top Reviewer	2025
Outstanding Graduates of Tsinghua (<i>Top 2%, 1/61 in Department</i>)	2024
Outstanding Graduates of Beijing (<i>Top 5%</i>)	2024
Outstanding Student of Beijing (<i>Top 5%</i>)	2023
Comprehensive Excellence Award of Tsinghua (<i>Top 10%</i>)	2021, 2022, 2023, 2025
Outstanding Student Leader of Tsinghua (<i>Top 5%</i>)	2023

PROFESSIONAL SERVICES

Reviewer

- Conference on Neural Information Processing Systems (*NeurIPS*) 2024, 2025
- International Conference on Learning Representations (*ICLR*) 2025, 2026
- International Conference on Machine Learning (*ICML*) 2025, 2026
- Transactions on Machine Learning Research (*TMLR*)

Invited Talks

- Towards Practical World Simulator at *Minghong Investment* December 2025

Teaching Assistant

- Deep Learning. Instructor: Prof. Mingsheng Long Fall 2024, 2025
- Machine Learning. Instructor: Prof. Mingsheng Long Spring 2024, 2025

Service

- Chairman of the 36th Student Union of Department of Mathematical Sciences 2023

TECHNICAL SKILLS

Programming Language: Python, C/C++

Professional Software: PyTorch, NumPy, Git, LaTeX, Openfoam

Language: China (native), English