

YONG LIU

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Homepage: <https://wenweithu.github.io/>

Google Scholar ([Citations 6.8k+](#)) ◊ GitHub ([Stars 10k+](#)) ◊ ORCID

EDUCATION

Ph.D. in Software Engineering

School of Software, Tsinghua University

Advisor: Prof. Mingsheng Long

Aug. 2021 – Present

Beijing, China

Bachelor in Software Engineering, Tsinghua University

School of Software, Tsinghua University

GPA: 3.63/4.0 Rank: 2/84

Aug. 2017 – July 2021

Beijing, China

Bachelor in Economics, Tsinghua University (*Second Degree*)

School of Economics and Management, Tsinghua University

Aug. 2018 – July 2021

Beijing, China

RESEARCH INTERESTS

My research interests cover **Deep Learning** and **Time Series Analysis**. I am currently working on time series foundation models and MLSys. In addition to pure research, I dedicate myself to promoting research on real-world applications. My research aims to contribute to the advancement of intelligent systems capable of handling massive and complicated temporal data across domains, including finance, healthcare, industry, and environment.

SELECTED PUBLICATIONS

Sundial: A Family of Highly Capable Time Series Foundation Models

ICML 2025

Yong Liu*, Guo Qin*, Zhiyuan Shi, Zhi Chen, Caiyin Yang,
Xiangdong Huang, Jianmin Wang, Mingsheng Long#

Oral Paper

Timer-XL: Long-Context Transformers for Unified Time Series Forecasting

ICLR 2025

Yong Liu*, Guo Qin*, Xiangdong Huang, Jianmin Wang, Mingsheng Long#

Timer: Generative Pre-trained Transformers Are Large Time Series Models

ICML 2024

Yong Liu*, Haoran Zhang*, Chenyu Li*, Xiangdong Huang, Jianmin Wang, Mingsheng Long#
– *Built-in Large Time-Series Model in Apache IoTDB*

iTransformer: Inverted Transformers Are Effective for Time Series Forecasting

ICLR 2024

Yong Liu*, Tengge Hu*, Haoran Zhang*, Haixu Wu, Shiyu Wang, Lintao Ma, Mingsheng Long#
– *PaperDigest Most Influential Paper, Outstanding Projects of CCF Fund*

Spotlight Paper

AutoTimes: Autoregressive Time Series Forecasters via Large Language Models

NeurIPS 2024

Yong Liu*, Guo Qin*, Xiangdong Huang, Jianmin Wang, Mingsheng Long#

TimesNet: Temporal 2D-Variation Modeling for General Time Series Analysis

ICLR 2023

Haiwu Wu*, Tengge Hu*, **Yong Liu***, Hang Zhou, Jianmin Wang, Mingsheng Long#
– *PaperDigest Most Influential Paper*

Koopa: Learning Non-stationary Time Series Dynamics with Koopman Predictors

NeurIPS 2023

Yong Liu*, Chenyu Li*, Jianmin Wang, Mingsheng Long#

Non-stationary Transformers: Exploring the Stationarity in Time Series Forecasting

NeurIPS 2022

Yong Liu*, Haiwu Wu*, Jianmin Wang, Mingsheng Long#

Ranking and Tuning Pre-trained Models: A New Paradigm for Exploiting Model Hubs

JMLR 2022

Kaichao You*, **Yong Liu***, Ziyang Zhang, Jianmin Wang, Michael I. Jordan, Mingsheng Long#

LogME: Practical Assessment of Pre-trained Models for Transfer Learning

ICML 2021

Kaichao You*, **Yong Liu***, Jianmin Wang, Mingsheng Long#

APPLICATIONS AND PROJECTS

Algorithms and Model Package

- *Large-Time-Series-Model*, [OpenLTM](#): Codebase of Large Time-Series Models Maintainer
- *Time-Series-Library*: Deep Models for Time Series Analysis ([Stars 9k+](#)) Co-Author
- *Transfer-Learning-Library*: Algorithms for Transfer Learning ([Stars 3k+](#)) Committer

Open-Source Models for Time Series

- *Timer*, *Sundial*: Time Series Foundation Models ([HuggingFace 5M Downloads](#)) Maintainer
- *iTransformer*: Multidimensional Time Series Forecaster ([Stars 1.6k+](#)) Maintainer
- *AutoTimes*: Large Language Models for Time Series Forecasting Maintainer
- *NSFormer*, *Koopa*: Non-stationary Time Series Forecasting Maintainer

Systems and Applications

- *Apache IoTDB - AINode*: Native AI Analysis in Database Project Leader
- *iTransformer*: Green Computing of Ant Group ([CCF Fund](#)) First Author

INVITED TALKS

- Large Time Series Models and Resources at ISF 2025. ([Slides](#)) Jun 29, 2025
- Foundation Models and MLSys of Time Series at Apache IoTDB. ([Slides](#)) Apr 29, 2025
- Exploring Large Models for Time Series at IoA, CAS. ([Slides](#)) June 20, 2024
- Deep Learning for Time Series Applications at DoA, THU. ([Slides](#)) May 25, 2024

SERVICES AND EXPERIENCES

Reviewer & PC Member

- International Conference on Learning Representations ([ICLR](#)) 2024-2025
- International Conference on Machine Learning ([ICML](#)) 2022-2025
- Conference on Neural Information Processing Systems ([NeurIPS](#)) 2023-2025

Teaching Experiences

- TA, Database System of Prof. Jianmin Wang Spring 2024
- TA, Machine Learning of Prof. Mingsheng Long Fall 2021-2023
- TA, Deep Learning of Prof. Mingsheng Long Fall 2021-2022
- TA, Introduction to Artificial Intelligence of Prof. Mingsheng Long Spring 2021-2022

SELECTED AWARDS

- National Scholarship 2025
- Outstanding Papers of Beijing 2022
- Outstanding Graduates of Beijing 2021
- Excellent Graduates, Tsinghua University 2021
- Future Researcher Scholarship of Tsinghua 2021
- Tang Lixin Scholarship, Tsinghua University 2020
- Jiang Nanxiang Scholarship, Tsinghua University 2019