

# Chenyu Li

Tsinghua University. Haidian District, Beijing, 100084, P. R. China  
+86 13505040225 ◇ lichenyu20@mails.tsinghua.edu.cn

## EDUCATION

---

**Bachelor in Software Engineering** August 2021 - June 2025(expected)  
School of Software, Tsinghua University  
GPA:3.89/4.00. Major GPA: 3.93/4.00  
Core Courses: Introduction to Artificial Intelligence(A+), Students Research Training(A+), University Physics K1(A+), Physics for Scientists and Engineers B2(A), Probability and Statistics(A), Calculus A1(A), Linear Algebra(A), Practice of Programming(A)

## PUBLICATIONS

---

**Koopa: Learning Non-stationary Time Series Dynamics with Koopman Predictors**  
Yong Liu\*, **Chenyu Li\***, Jianmin Wang, Mingsheng Long. *NeurIPS 2023*

## PROJECTS

---

**Apache IoTDB** January 2023 - present  
*Open source project contributor*

- IoTDB MLNode(Machine Learning Node) is a native machine learning engine integrated into Apache IoTDB. Users build, train, manage, and use machine learning models in IoTDB databases using SQL statements.
- Design and implement model storage system, data transmission module, config parsing module and etc.

## RESEARCH EXPERIENCES

---

**Machine Learning Group(THUML), Tsinghua University** October 2022 - Present  
*Advisor: **Mingsheng Long**, Associate Professor, School of Software, Tsinghua University*

- Tackle non-stationary time series with modern Koopman theory and propose **Koopa** as novel **Koopman** forecaster composed of stackable blocks.
- Serve as an open source project contributor in **IoTDB Machine Learning Node**. Focus on machine learning within database and promote the implementation of time series deep learning models.
- Currently collecting time series datasets and pretraining time series foundation for various downstream tasks(e.g. forecasting, classification, imputation).

## HONORS AND AWARDS

---

<b>Comprehensive Merit Scholarship(top 5%)</b> <i>Tsinghua University</i>	2023
<b>Software Innovation Competition(1st place)</b> <i>Tsinghua University</i>	2023
<b>12·9 Scholarship(Top scholarship in Tsinghua; 1 student per department)</b> <i>Tsinghua University</i>	2022
<b>National College Students Physics Competition(Second prize)</b> <i>Bejing Physical Society</i>	2021

## SKILLS

---

<b>Programming Languages</b>	Python, C/C++, Java, Javascript
<b>Professional Software</b>	Pytorch, NumPy, Git, LaTeX
<b>Language</b>	Chinese(native), English