# KAI-LANG YAO

✉ yaokl@outlook.com 📞(+86)-15850772561

📍Lingang Area, Pudong New District, Shanghai 201306, China

## WORKING EXPERIENCE

**Honor Shanghai** *Since Feb. 2024*
*Algorithm engineer*

## EDUCATION

**Nanjing university, Nanjing.** *Sept. 2016 - Dec. 2023*
*Ph.D. of Computer Science & Technology.*
Supervisor: Professor. Wu-Jun Li.

**Nanjing university, Nanjing.** *Sept. 2012 - Jun. 2016*
*Bachelor of Computer Science & Technology.*

## RESEARCH INTEREST

My research interest includes Machine Learning and Artificial Intelligence. More specifically, I focuses on the topic in efficient machine learning algorithms.

- **Efficient Graph Machine Learning**
- Learning to Hash
- Continual Learning for Large Language Models
- Model Compression & Quantization for Large Language Models

## PUBLICATIONS

- **Blocking-based Neighbor Sampling for Large-scale Graph Neural Networks**
  - Kai-Lang Yao and Wu-Jun Li. IJCAI 2021.
- **Re-quantization based Binary Graph Neural Networks**
  - Kai-Lang Yao and Wu-Jun Li. SCIS 2023.
- **Context Sketching for Memory-efficient Graph Representation Learning**
  - Kai-Lang Yao and Wu-Jun Li. IEEE ICDM 2023, Regular Paper.
- **Asymmetric Learning for Graph Neural Network based Link Prediction**
  - Kai-Lang Yao and Wu-Jun Li. ACM TKDD 2024.
- **One-shot Neighbor Sampling for Large-scale Graph Neural Networks**
  - Kai-Lang Yao and Wu-Jun Li. Under Review.

## AWARDS & HONORS

- Outstanding PhD candidate of Nanjing University 2021 - 2022
- ICME & ByteDance Grand Challenge $7^{th}$ Place Award and $10^{th}$ Place Award 2019

## ACADEMIC SERVICES

Reviewer for IJCAI 2021, ICML 2022, AAAI 2023, AAAI 2024, KDD 2024.

## SKILLS

**Programming Language**: python, matlab, LATEX, C++, C, java.
**Deep Learning ToolBox**: pyTorch, TensorFlow.

## LANGUAGES

**Chinese**: Mothertongue, **English**: Fluent (CET-4 and CET-6)