



# Qing-Yuan Jiang

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## WORK EXPERIENCE

- **Nanjing University of Science and Technology** Since June, 2024  
Associate Professor Nanjing, China
- **HuaWei** September, 2020 ~ June, 2024  
Algorithm Expert (A member of top minds project) Nanjing, China

## EDUCATION

- **LAMDA group, Nanjing University, Nanjing** September, 2014 ~ September, 2020  
Ph.D. of Computer Science & Technology Supervisor: Prof. Wu-Jun Li
- **Nanjing University, Nanjing** September, 2010 ~ June, 2014  
Bachelor of Computer Science & Technology.

## RESEARCH INTEREST

- **Machine Learning, Multimodal Learning, and Learning to Hash.**  
I am focusing on:
  - Multimodal Large Language Model (MLLM).
  - Multimodal Learning and Applications.
  - Large Scale Information Retrieval.

## PUBLICATIONS

†: corresponding author, ‡: equal contribution.

- Yang Yang, Xixian Wu, and **Qing-Yuan Jiang**<sup>†</sup>. Towards Equilibrium: An Instantaneous Probe-and-Rebalance Multimodal Learning Approach. *IJCAI*, 2025. [\[github\]](#)
- **Qing-Yuan Jiang**, Zhouyang Chi, and Yang Yang. Interactive Multimodal Learning via Flat Gradient Modification. *IJCAI*, 2025. [\[github\]](#)
- Zhihao Guan, **Qing-Yuan Jiang**<sup>†</sup>, and Yang Yang. Balance-aware Sequence Sampling Makes Multimodal Learning Better. *IJCAI*, 2025. [\[github\]](#)
- Yang Yang, Hongpeng Pan, Qing-Yuan Jiang, Yi Xu, and Jinhui Tang. Learning to Rebalance Multi-Modal Optimization by Adaptively Masking Subnetworks. *TPAMI*, 2025. [\[github\]](#)
- Yang Yang, Fenqiang Wan, **Qing-Yuan Jiang**<sup>†</sup>, and Yi Xu. Facilitating Multimodal Classification via Dynamically Learning Modality Gap. *NeurIPS*, 2024. [\[github\]](#)
- Xiangyu Wu, **Qing-Yuan Jiang**, Yi-Feng Wu, Qing-Guo Chen, Yang Yang, and Jianfeng Lu. TAI++: Text as Image for Multi-Label Image Classification by Co-Learning Transferable Prompt. *IJCAI*, 2024. [\[github\]](#)
- Yang Shen, Xuhao Sun, Xiu-Shen Wei, **Qing-Yuan Jiang**, and Jian Yang. SEMICON: A Learning-to-hash Solution for Large-scale Fine-grained Image Retrieval. *ECCV*, 2022.
- Quan Cui<sup>‡</sup>, **Qing-Yuan Jiang**<sup>‡</sup>, Xiu-Shen Wei, Wu-Jun Li, and Osamu Yoshie. ExchNet: A Unified Hashing Network for Large-Scale Fine-Grained Image Retrieval. *ECCV*, 2020.
- **Qing-Yuan Jiang**, Yi He, Gen Li, Jian Lin, Lei Li and Wu-Jun Li. SVD: A Large-Scale Short Video Dataset for Near Duplicate Video Retrieval. *ICCV*, 2019. [\[github\]](#)
- Lei Fan, Qing-Yuan Jiang, Ya-Qi Yu and Wu-Jun Li. Deep Hashing for Speaker Identification and Retrieval. *INTERSPEECH*, 2019.
- **Qing-Yuan Jiang** and Wu-Jun Li. Discrete Latent Factor Model for Cross-Modal Hashing. *TIP*, 2019. [\[github\]](#)
- **Qing-Yuan Jiang**, Xue Cui and Wu-Jun Li. Deep Discrete Supervised Hashing. *TIP*, 2018. [\[github\]](#)
- **Qing-Yuan Jiang** and Wu-Jun Li. Asymmetric Deep Supervised Hashing. *AAAI*, 2018. [\[github\]](#)
- **Qing-Yuan Jiang** and Wu-Jun Li. Deep Cross-Modal Hashing. *CVPR*, 2017. [\[github\]](#)
- **Qing-Yuan Jiang** and Wu-Jun Li. Scalable Graph Hashing with Feature Transformation. *IJCAI*, 2015. [\[github\]](#)

## PROFESSIONAL SERVICES

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- **Journal Reviewer:**

- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI).
- IEEE Transactions on Neural Networks and Learning System (TNNLS).
- IEEE Transactions on Image Processing (TIP).
- IEEE Transactions on Signal Processing (TSP).
- IEEE Transactions on Multimedia (TMM).

- **Conference Reviewer:**

- ICML, NeurIPS, ICLR, CVPR, ICCV, AISTATS, AAAI, IJCAI, ACCV

## INTERNSHIP EXPERIENCE

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- **ByteDance AI Lab.**

*November, 2018 ~ April, 2019*

*Task: near-duplicate video retrieval.*

## AWARDS

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- **Consumer Cloud Service President's Award.**

*2021*

*HuaWei*

- **Excellent Doctoral Dissertation of JSAI.**

*December, 2021*

*JiangSu Association of Artificial Intelligence*

- **Top Minds Project.**

*September, 2020*

*HuaWei*

- **National Graduate Scholarship for Ph.D. student.**

*October, 2018*

*Nanjing University*