



## Qing-Yuan Jiang

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## PERSONAL PROFILE

Qing-Yuan Jiang is an associate professor at the School of Computer Science and Engineering, Nanjing University of Science and Technology. His research interests lie primarily in multimodal learning, large models, information retrieval. He has published over 10 papers in leading journals and conferences, including IEEE TPAMI, IEEE TIP, NeurIPS, and CVPR. He serves as a PC/Reviewer in leading journals and conferences such as IEEE TPAMI, IEEE TIP, ICML, NeurIPS, CVPR etc. He was selected as a member of Huawei's **top minds project** in 2020. He has also won 3 championships in prestigious domestic and international competitions, including leading conferences CVPR and ICCV.

## WORK EXPERIENCE

<b>Nanjing University of Science and Technology</b> School of Computer Science and Engineering, <i>Associate Professor</i>	Jan. 2024 – Present
<b>Huawei</b> <i>Algorithm Expert (A member of top minds project)</i>	Sept. 2020 – Jan. 2024
<b>ByteDance</b> <i>Internship (ByteDance AI Lab.)</i>	Nov. 2018 – April. 2019

## EDUCATIONAL BACKGROUND

<b>Nanjing University</b> (Supervisor: Prof. Wu-Jun LI) LAMDA group, Department of Computer Science and Technology, <i>Ph.D.</i>	Sept. 2014 – Sept. 2020
<b>Nanjing University</b> Department of Computer Science and Technology, <i>Bachelor's Degree</i>	Sept. 2010 – Jun. 2014

## ACADEMIC HONOR

- 2021: Top Minds Project
- 2021: Outstanding Doctoral Dissertation Award of Jiangsu Association of Artificial Intelligence

## RESEARCH PROJECTS

- Youth Project of the National Natural Science Foundation of China: Research on Multimodal Rebalancing Learning Method for Multi-dimensional Imbalance Problems, Jan. 2025 – Dec. 2028, Project Leader

## PROFESSIONAL SERVICE AND ACADEMIC CONTRIBUTIONS

- Journal Reviewer: IEEE TPAMI, IEEE TIP, IEEE TSP, IEEE TNNLS, IEEE TMM, FCS
- Conference Reviewer: ICLR, NeurIPS, ICML, AISTATS, CVPR, AAAI, ACCV
- PC Member: AAAI-2019, AAAI-2020, AAAI-2025, AAAI-2026

## AWARDS

- Guiding master's, and undergraduate students to achieve 3 awards, including first, second, and third prizes, in prestigious domestic and international competitions:
- 2025, the first place of HOUR-LONG VIDEO-QA competition, *ICCV*.
- 2024, the first place of Foundational FSOD Challenge Winner, *CVPR*.
- 2024, the first place of TEMPORAL ACTION LOCALISATION, *ECCV*.

## PUBLICATIONS

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- **Qing-Yuan Jiang**, Longfei Huang, Yang Yang. Rethinking Multimodal Learning from the Perspective of Mitigating Classification Ability Disproportion. *NeurIPS*, 2025, Oral (1.46%).
- Zhihao Guan, **Qing-Yuan Jiang\***, Yang Yang. Balance-aware Sequence Sampling Makes Multimodal Learning Better. *IJCAI*, 2025.
- Yang Yang, Xixian Wu, **Qing-Yuan Jiang\***. Towards Equilibrium: An Instantaneous Probe-and-Rebalance Multimodal Learning Approach. *IJCAI*, 2025.
- **Qing-Yuan Jiang**, Zhouyang Chi, Yang Yang. Interactive Multimodal Learning via Flat Gradient Modification. *IJCAI*, 2025.
- Yang Yang, Hongpen Pan, **Qing-Yuan Jiang**, Yi Xu, Jinhui Tang. Learning to Rebalance Multi-Modal Optimization by Adaptively Masking Subnetworks. *TPAMI*, 2025.
- Yang Yang, Fengqiang Wan, **Qing-Yuan Jiang\***, Yi Xu. Facilitating Multimodal Classification via Dynamically Learning Modality Gap. *NeurIPS*, 2024.
- Xiangyu Wu, **Qing-Yuan Jiang**, Yifeng Wu, Qingguo Chen, Yang Yang, and Jianfeng Lu. TAI++: Text as Image for Multi-Label Image Classification by Co-Learning Transferable Prompt. *IJCAI*, 2024.
- Yang Shen, Xuhao Sun, Xiu-Shen Wei, **Qing-Yuan Jiang**, Jian Yang. SEMICON: A Learning-to-hash Solution for Large-scale Fine-grained Image Retrieval. *ECCV*, 2022.
- Quan Cui, **Qing-Yuan Jiang#**, Xiu-Shen Wei, Wu-Jun Li, Osamu Yoshie. ExchNet: A Unified Hashing Network for Large-Scale Fine-Grained Image Retrieval. *ECCV*, 2020.
- **Qing-Yuan Jiang**, Wu-Jun Li. Discrete Latent Factor Model for Cross-Modal Hashing. *IEEE TIP*, 2019.
- Lei Fan, **Qing-Yuan Jiang**, Ya-Qi Yu, Wu-Jun Li. Deep Hashing for Speaker Identification and Retrieval. *InterSpeech*, 2019.
- **Qing-Yuan Jiang**, Yi He, Gen Li, Jian Lin, Lei Li, Wu-Jun Li. SVD: A Large-Scale Short Video Dataset for Near-Duplicate Video Retrieval. *ICCV*, 2019.
- **Qing-Yuan Jiang**, Xue Cui, Wu-Jun Li. Deep Discrete Supervised Hashing. *IEEE TIP*, 2018.
- **Qing-Yuan Jiang**, Wu-Jun Li. Asymmetric Deep Supervised Hashing. *AAAI*, 2018.
- **Qing-Yuan Jiang**, Wu-Jun Li. Deep Cross-Modal Hashing. *CVPR*, 2017.
- **Qing-Yuan Jiang**, Wu-Jun Li. Scalable Graph Hashing with Feature Transformation. *IJCAI*, 2015.