

QING-YUAN JIANG

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WORKING EXPERIENCE

Nanjing University of Science and Technology. *Since June, 2024*
Associate Professor.

HuaWei. *September, 2020~June, 2024*
Algorithm Researcher (A member of top minds project).

EDUCATION

LAMDA group, Nanjing university, Nanjing. *September, 2014~September, 2020*
Ph.D. of Computer Science & Technology.
Supervisor: Professor. 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

Facilitating Multimodal Classification via Dynamically Learning Modality Gap. *NeurIPS, 2024* [[github](#)]
- Yang Yang, Fenqiang Wan, Qing-Yuan Jiang[†], and Yi Xu.
- [†]: corresponding author.

TAI++: Text as Image for Multi-Label Image Classification by Co-Learning Transferable Prompt. *IJ-CAI, 2024*
- Xiangyu Wu, Qing-Yuan Jiang, Yi-Feng Wu, Qing-Guo Chen, Yang Yang, and Jianfeng Lu.

SEMICON: A Learning-to-hash Solution for Large-scale Fine-grained Image Retrieval. *ECCV, 2022*
- Yang Shen, Xuhao Sun, Xiu-Shen Wei, Qing-Yuan Jiang, and Jian Yang.

ExchNet: A Unified Hashing Network for Large-Scale Fine-Grained Image Retrieval. *ECCV, 2020*
- Quan Cui*, Qing-Yuan Jiang*, Xiu-Shen Wei, Wu-Jun Li, and Osamu Yoshie.
- *: equal contribution.

SVD: A Large-Scale Short Video Dataset for Near Duplicate Video Retrieval. *ICCV, 2019* [[project](#)]
- Qing-Yuan Jiang, Yi He, Gen Li, Jian Lin, Lei Li and Wu-Jun Li.

Deep Hashing for Speaker Identification and Retrieval. *INTERSPEECH, 2019*
- Lei Fan, Qing-Yuan Jiang, Ya-Qi Yu and Wu-Jun Li.

Discrete Latent Factor Model for Cross-Modal Hashing. *TIP*, 2019 [\[github\]](#)

- [Qing-Yuan Jiang](#) and Wu-Jun Li.

Deep Discrete Supervised Hashing. *TIP*, 2018 [\[github\]](#)

- [Qing-Yuan Jiang](#), Xue Cui 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 [\[github\]](#)

- [Qing-Yuan Jiang](#) and Wu-Jun Li.

PREPRINT

Deep Multi-Index Hashing for Person Re-Identification.

- Ming-Wei Li, [Qing-Yuan Jiang](#) and Wu-Jun Li.

On the Evaluation Metric for Hashing.

- [Qing-Yuan Jiang](#), Ming-Wei Li and Wu-Jun Li.

Multiple Code Hashing for Efficient Image Retrieval.

- Ming-Wei Li, [Qing-Yuan Jiang](#) and Wu-Jun Li.

Learning to Rebalance Multi-Modal Optimization by Adaptively Masking Subnetworks

- Yang Yang, Hongpeng Pan, Qing-Yuan Jiang, Yi Xu, Jinghui Tang

PROFESSIONAL SERVICES

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, AAI, IJCAI
- CVPR, ACCV

INTERNSHIP EXPERIENCE

ByteDance AI Lab.

November, 2018~April, 2019

- Task: near-duplicate video retrieval.

SCHOLARSHIPS AND CERTIFICATES

Excellent Project Completion in the National Undergraduate Innovation Program.

June, 2014

National Graduate Scholarship for Master Student.

November, 2015

Talent Scholarship of Nanjing University.

November, 2017

National Graduate Scholarship for Ph.D. Student.

November, 2018

Excellent Doctoral Thesis of JiangSu Association of Artificial Intelligence.

December, 2021

SKILLS

Programming Language: python, matlab, \LaTeX , C++, C, java.

Deep Learning ToolBox: pyTorch, matConvNet, TensorFlow.

LANGUAGES

Chinese: Mothertongue.

English: Fluent (CET-4 and CET-6)