

EDUCATION

Visiting Scholar <i>National University of Singapore (Min-Yen Kan)</i>	Jul. 2023 - Jul. 2024
PhD of Engineering <i>The Hong Kong Polytechnic University (Xiao-Ming Wu)</i>	Sept. 2021 - Aug. 2024
Master of Engineering in Computer Science and Technology <i>Zhejiang University (Zhou Zhao)</i>	Sept. 2018 - Jun. 2021
Bachelor of Engineering in Software Engineering <i>Zhejiang University (GPA: 3.79/4.00)</i>	Sept. 2014 - Jun. 2018

SELECTED WORK EXPERIENCE

Algorithm Intern <i>Huawei, Noah's Ark Lab (Jieming Zhu)</i>	Many times <i>Shenzhen and Nanjing, China</i>
CIIP Intern <i>Cisco, Zeus Group (Debo Dutta)</i>	Aug. 2017 - Jul. 2018 <i>San Jose, United States</i>

PUBLICATIONS AND PREPRINTS

★ *Star symbols (*) indicate equal contribution.*

Research on Large Language Models

- **CCF-A** **KDD '24** Multimodal Pretraining, Adaptation, and Generation for Recommendation: A Survey.
Qijiong LIU, Jieming ZHU, Yanting YANG, Quanyu DAI, ..., and Zhenhua DONG
- **CCF-B** **WSDM '24** ONCE: Boosting Content-based Recommendation with Both Open- and Closed-source Large Language Models.
Qijiong LIU, Nuo CHEN, Tetsuya SAKAI, and Xiao-Ming WU
- **CCF-A WORKSHOP** **GenAIP@KDD '24** Active Users are Good Teachers: Behavior Sequence Infilling for Generative Recommendation.
Qijiong Liu, Xiaoyu DONG, Quanyu Dai, Jieming Zhu, Zhenhua Dong, and Xiao-Ming Wu
- **CCF-A** **ACL '24** Making Multimodal Generation Easier: When Diffusion Models Meet LLMs.
Xiangyu ZHAO, Bo LIU, Qijiong LIU*, Guangyuan SHI*, and Xiao-Ming WU*
- **Under Review** Leveraging Large Language Models to Empower Training-Free Dataset Condensation for Content-Based Recommendation.
Jiahao WU, Qijiong LIU*, Hengchang HU, Wenqi FAN, ..., and Ke TANG*

Research on Generative AI

- **CCF-A** **WWW '24** Discrete Semantic Tokenization for Deep CTR Prediction.
Qijiong Liu, Hengchang Hu, Jiahao Wu, Jieming Zhu, Min-Yen Kan, and Xiao-Ming Wu
- **CCF-B** **RECSYS '24** CoST: Contrastive Quantization based Semantic Tokenization for Generative Recommendation.
Jieming Zhu, Mengqun Jin, Qijiong Liu, Zexuan Qiu, Zhenhua Dong, and Xiu Li
- **Under Review** Structure-aware Semantic Node Identifiers for Learning on Graphs.
Yuankai Luo, Qijiong Liu, Lei Shi, Xiao-Ming Wu
- **Under Review** Streamlining Semantic Tokenization and Generative Recommendation with a Single LLM.
Qijiong Liu, Jieming Zhu, Lu Fan, Zhou Zhao, and Xiao-Ming Wu

- **Under Review** Vector Quantization for Recommender Systems: A Review and Outlook.
Qijiong Liu, Xiaoyu Dong, Jiaren Xiao, Nuo Chen, ..., and Xiao-Ming Wu

Research on Recommender System

- **CCF-A** **WWW '24** Benchmarking News Recommendation in the Era of Green AI.
Qijiong Liu, Jieming Zhu, Quanyu Dai, and Xiao-Ming Wu
- **CCF-A** **WWW '24** Learning Category Trees for ID-Based Recommendation: Exploring the Power of Differentiable Vector Quantization.
Qijiong Liu, Lu Fan, Jiaren Xiao, Jieming Zhu, and Xiao-Ming Wu
- **CCF-A** **WWW '23** FANS: Fast Non-Autoregressive Sequence Generation for Item List Continuation.
Qijiong Liu, Jieming Zhu, Jiahao Wu, Tiandeng Wu, Zhenhua Dong, and Xiao-Ming Wu
- **CCF-B** **COLING '22** Boosting Deep CTR Prediction with a Plug-and-Play Pre-trainer for News Recommendation.
Qijiong Liu, Jieming Zhu, Quanyu Dai, and Xiao-Ming Wu
- **CCF-C** **ECIR '24** Lightweight Modality Adaptation to Sequential Recommendation via Correlation Supervision.
Hengchang Hu, Qijiong Liu, Chuang Li, Min-Yen Kan

Research on Natural Language Processing

- **CCF-A** **AAAI '23** Continual Graph Convolutional Network for Text Classification.
Tiandeng Wu, Qijiong Liu*, Yi Cao, Yao Huang, Xiao-Ming Wu, and Jiandong Ding*
- **CCF-A** **IJCAI '19** Weak supervision enhanced generative network for question generation.
Yutong Wang, Jiyuan Zheng, Qijiong Liu, Zhou Zhao, Jun Xiao, and Yueting Zhuang

AWARD AND HONOR

- **(2024)** ACM Member.
- **(2023)** Visiting Scholar Invitations from
 - ★ National University of Singapore,
 - ★ Singapore Management University,
 - ★ National Taiwan University,
 - ★ and Westlake University
- **(2023)** ACM SIGIR Member.
- **(2023)** Research Student Attachment Programme (RSAP) in HK PolyU.
- **(2023)** ACM Member.
- **(2023)** AAAI Student Scholarship.
- **(2021)** PolyU Research Postgraduate Scholarship.
- **(2021)** Outstanding Graduate of Zhejiang University.
- **(2018)** Outstanding Graduate of Zhejiang University.
- **(2018)** Outstanding Engineer Scholarship of Zhejiang University.
- **(2018)** Excellent Talent Training Program in Zhejiang University.
- **(2017)** Cisco International Internship Program (CIIP).
- **(2016)** Alibaba New Media Scholarship.
- **(2016)** Second Prize Academic Scholarship in Zhejiang University.
- **(2016)** Student of He Zhijun Class, Zhejiang University.

SERVICES

- **(2023-)** Journal Reviewer of TKDE, TOIS, Neurocomputing, TORS.
- **(2023-)** Conference Program Member of WWW, ACL ARR, ACM MM, NeurIPS, ICLR, RecSys.
- **(2023-)** Founder of **Legommenders**: Modular framework for recommender systems.
- **(2023-)** Founder of **UniTok** Unified tokenization toolkit for machine learning.
- **(2017)** Contributor of **Kubeflow**: Machine Learning Toolkit for Kubernetes.
- **(2016-2020)** Administrator of **EasyX**: C++ based Free Graphics Library.

★ Please find my more experiments, recent publications, and rich side projects from [here](#).