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Qijiong LIU

Homepage
GitHub: Jyonn
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Education

Visiting Scholar **July. 2023 - July. 2024 (expected)**
National University of Singapore (Min-Yen Kan)

PhD of Engineering **Sept. 2021 - Aug. 2024 (expected)**
The Hong Kong Polytechnic University (Xiao-Ming Wu)

Master of Engineering **Sept. 2018 - Jun. 2021**
Zhejiang University (Zhou Zhao)

Bachelor of Engineering **Sept. 2014 - Jun. 2018**
Zhejiang university

Work Experience

Algorithm Intern **Apr. 2022 - Aug. 2022**
Huawei, Business Group *Nanjing, China*

- Designed a item playlist continuation method, namely *FANS*, which improves the effectiveness of Huawei music recommender system.

Algorithm Intern **Sept. 2020 - Jan. 2021**
Huawei, Noah's Ark Lab (Jieming Zhu) *Shenzhen, China*

- Designed a news recommendation pre-training method, namely *RecBERT*, which improves the effectiveness of Huawei news recommender system.

CIIP Intern **Aug. 2017 - Jul. 2018**
Cisco, Zeus Group (Debo Dutta) *San Jose, United States*

- Designed an AutoML system, *CiscoAdvisor*, supporting random forest and Bayesian parameter tuning.
- Contributed to the *Kubeflow* open source project in terms of hard disk scalability.

Research Area

Research on Large Language Models
- **(Co-First)** Leveraging Large Language Models to Empower Training-Free Dataset Condensation for Content-Based Recommendation (under review).
- **(First)** ONCE: Boosting Content-based Recommendation with Both Open- and Closed-source Large Language Models (WSDM'24).
- Making Multimodal Generation Easier: When Diffusion Models Meet LLMs (under review).

Research on Recommender System
- **(First)** Semantic Tokenization for Deep CTR Prediction (WWW'24)
- **(First)** Benchmarking News Recommendation in the Era of Green AI (WWW'24)
- **(First)** Learning Category Trees for ID-Based Recommendation: Exploring the Power of Differentiable Vector Quantization (WWW'24).
- Lightweight Modality Adaptation to Sequential Recommendation via Correlation Supervision (ECIR'23).
- **(First)** FANS: Fast Non-Autoregressive Sequence Generation for Item List Continuation (WWW'23).
- **(First)** Boosting Deep CTR Prediction with a Plug-and-Play Pre-trainer for News Recommendation (COLING'22).

Research on Natural Language Processing

- **(Co-First)** Continual Graph Convolutional Network for Text Classification (AAAI'23).
- Weak supervision enhanced generative network for question generation (IJCAI'19).

Award and Services

- **(2024)** ACM Recommender Systems (RecSys) Invited Reviewer.
- **(2024)** ACL Rolling Review (ARR) Invited Reviewer.
- **(2024)** ACM MultiMedia (MM) Reviewer.
- **(2024)** ACM Transactions on Recommender Systems (TORS) Invited Reviewer.
- **(2024)** ACM Transactions on Information Systems (TOIS) Invited Reviewer.
- **(2023)** ACM TheWebConf Invited Reviewer.
- **(2023)** ACM SIGIR Member.
- **(2023)** PolyU Research Student Attachment Programme (RSAP).
- **(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.
- **(2017)** Cisco International Internship Program (CIIP).
- **(2016)** Student of He Zhijun Class, Zhejiang University.

Others More...

Programming	Python (PyTorch, Django), JS, TS (Angular), Java (Android), C, Pascal
Community	Father of UniTok: A unified tokenization framework for machine learning Father of Legommenders: A modular designed recommendation framework Contributor of Kubeflow: A AI model deployment platform on Kubernetes Administrator of EasyX: A graphics library for C programming language
Hardware	Arduino, Raspberry Pi