JIXIANG YU

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EDUCATION

Dongbei University of Finance and Economics (DUFE) *09/2018 - 05/2022*
Bachelor of Science in Computer Science and Technology
Overall GPA: 90.66/100
Thesis: Deep Reinforcement Learning-based Hierachical Delivery Decision Optimization of O2O Community Group Buying.

City University of Hong Kong (CityU) *09/2022 - 08/2026 (expected)*
Doctor of Philosophy in Computer Science
Overall GPA: 3.92/4.3
Supervisor: Professor Ka-Chun Wong
Research Interest: Deep Learning Applications in Bioinformatics and Healthcare.

AWARDS & HONORS

Student Member of China Computer Federation (CCF).
Outstanding Academic Performance Award. Sep., 2023, at CityU.
Research Tuition Scholarship (20%). Sep., 2022, at CityU.
Outstanding Graduate of Dalian (3%). May., 2022, at DUFE.
Excellent Graduation Thesis. May., 2022, at DUFE.
Best Report in 5th ICDLT. Jun., 2021.
Advanced Individual in Subject Competition (2%). May., 2021. at DUFE.
Second Prize in the Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM) (5%). Nov., 2020.
First Prize in the CUMCM (Liaoning Division). Nov., 2020.
First-class Scholarships, 2019-2021, at DUFE.

PUBLICATIONS

†: Co-First Authors.

[**J1**] **Jixiang Yu**, Ming Gao, Yuchan Li, Zehui Zhang, Wai Hung Ip, Kai Leung Yung. Workflow Performance Prediction based on Graph Structure Aware Deep Attention Neural Network. *Journal of Industrial Information Integration*, Feb., 2022. **Impact Factor: *15.7***

[**J2**] **Jixiang Yu**, Nanjun Chen, Zetian Zheng, Ming Gao, Ning Liang, Ka-Chun Wong. Chromothripsis Detection with Multiple Myeloma Patients Based on Deep Graph Learning. *Bioinformatics*, Jul., 2023. **(CCF-B)**

[**J3**] Nanjun Chen†, **Jixiang Yu**†, Zhe Liu, Lingkuan Meng, Xiangtao Li, Ka-Chun Wong. Discovering DNA Shape Motifs with Multiple DNA Shape Features: Generalization, Methods, and Validation. *Nucleic Acids Research*, Mar., 2024. **Impact Factor: *14.9***

[**J4**] Weidun Xie, **Jixiang Yu**, Lei Huang, For Lek Shyuen, Zetian Zheng, Xingjian Chen, Yuchen Wang, Zhichao Liu, Chengbin Peng, Ka-chun Wong. DeepSeq2Drug: An Expandable Ensemble End-to-end Anti-viral Drug Repurposing Benchmark Framework by Multi-modal Embeddings and Transfer Learning. *Computers in Biology and Medicine*, Apr., 2024. **Impact Factor: *7.7***

[**J5**] Nanjun Chen, **Jixiang Yu**, Zhe Liu, Fuzhou Wang, Xiaotao Li, Ka-chun Wong. TP-LMMSG: A peptide prediction graph neural network incorporating flexible amino acid property representation. *Breifings in Bioinformatics*, June., 2024. **(CCF-B)**

[**C1**] **Jixiang Yu**, Nanjun Chen, Ming Gao, Xiangtao Li and Ka-Chun Wong. Unsupervised Gene-Cell Collective Representation Learning with Optimal Transport. *The Thirty-Eighth AAAI Conference on Artificial Intelligence (AAAI-24)*, Dec., 2023. **(CCF-A)**

[**C2**] Ying Jin, Ming Gao, **Jixiang Yu**. A Transformer Based Sales Prediction of Smart Container in New Retail Era. *2021 5th International Conference on Deep Learning Technologies (ICDLT)*, Jul., 2021

[**C3**] Ming Gao, Yuchan Li, **Jixiang Yu**. Workload Prediction of Cloud Workflow based on Graph Neural Network. *The 18th International Conference on Web Information Systems and Applications (WISA2021)*, Sep., 2021

ACADEMIC CONFERENCES

- The Thirty-Eighth AAAI Conference on Artificial Intelligence (AAAI-24)
- **(Oral presentation)** 2021 5th International Conference on Deep Learning Technology
- YEF (Youth Elite Forum) 2021
- 2021 BAAI Conference (online)
- 2020 BAAI Conference (online)
- **(Oral presentation)** The 18th International Conference on Web Information Systems and Applications (WISA2021)

SKILLS & SERVICES

Computer Languages	C, Python, Java, JavaScript, LaTeX
OS	Windows, Ubuntu, macOS
English	IELTS (Overall 6.5; L 6.5; S 5.5; W 6.5; R 8.0), CET-6(548)
Reviewer	IEEE T-NNLS, Frontiers in Genetics, BioData Mining.
Teaching	As Tutor at City University of Hong Kong: CS5488 Big Data Algorithms and Techniques (Graduate Course), CS4480 Data Intensive Computing, CS4465 Computational Biology and Bioinformatics.

Last Update: Jun., 2024.