

# JIXIANG YU

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## EDUCATION

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**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 Hierarchical 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

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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

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†: 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<sup>†</sup>, **Jixiang Yu**<sup>†</sup>, 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**

[C1] Ming Gao, Yuchan Li, **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

[C2] 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

[C3] **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)**

## ACADEMIC CONFERENCES

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- 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

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<b>Computer Languages</b>	C, Python, Java, JavaScript, $\text{\LaTeX}$
<b>OS</b>	Windows, Ubuntu, macOS
<b>English</b>	IELTS (Overall 6.5; L 6.5; S 5.5; W 6.5; R 8.0), CET-6(548)
<b>Reviewer</b>	IEEE T-NNLS, Frontiers in Genetics, BioData Mining.
<b>Teaching</b>	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: Mar., 2024.**