

YUXUAN BIAN

☎ (+86) 155-9670-4189 🌐 <https://yxbian23.github.io>
✉ yuxuanbian23@gmail.com; yxbian@cse.cuhk.edu.hk

Education

The Chinese University of Hong Kong

Ph.D. student in Computer Science and Engineering. Supervisor: Prof. Qiang Xu

2024 – 2028 (Expected)

Hong Kong SAR, China

Tongji University

B.S. in Computer Science; Minor Degree in Artificial Intelligence; GPA: 4.85/5.00. Top 1%.

2020 – 2024

Shanghai, China

Publications

- **Multi-Patch Prediction: Adapting LLMs for Time Series Representation Learning**
Yuxuan Bian, Xuan Ju, Jiangtong Li, Zhijian Xu, Dawei Cheng, Qiang Xu
International Conference on Machine Learning (ICML), 2024.
- **Direct Inversion: Boosting Diffusion-based Editing with 3 Lines of Code**
Xuan Ju, Ailing Zeng, Yuxuan Bian, Shaoteng Liu, Qiang Xu
International Conference on Learning Representations (ICLR), 2024
- **CFGPT: Chinese Financial Assistant with Large Language Model**
Jiangtong Li, Yuxuan Bian, Yang Lei, Dawei Cheng, Zhijun Ding, and Changjun Jiang
Frontiers of Computer Science (FCS), 2024
- **NGDRL: A Dynamic News Graph-based Deep Reinforcement Learning Framework for Portfolio Optimization**
Yuxuan Bian, Haoyu Sun, Yang Lei, Peng Zhu, Dawei Cheng
International Conference on Database Systems for Advanced Applications (DASFAA), 2024
- **Dynamic Graph-based Deep Reinforcement Learning with Long and Short-term Relation Modeling for Portfolio Optimization**
Haoyu Sun, Yuxuan Bian, Li Han, Peng Zhu, Dawei Cheng, Yuqi Liang
Under Review in ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2024. (Score: 4332)

Working Experience

CUHK CURE Lab | *Research Assistant*

Topic: Text-to-Image Generation, Time Series Analysis

Dec. 2023 - May. 2024

Hong Kong SAR, China

Seek Data Group, Emoney Inc | *Quantitative Research Intern*

Topic: News-Based Quantitative Trading Strategies

Sep. 2023 - Dec. 2023

Shanghai, China

Luoshu Investment | *Quantitative Research Intern*

Topic: Modeling Inter-Asset Relationships and Quantitative Trading Strategies Based on Graph

Mar. 2023 - Aug. 2023

Shanghai, China

Selected Honors & Awards

Outstanding Graduate, Shanghai Province

2024

National Scholarship

2023

QiDi Scholarship

2023

ITW Innovation Scholarship

2022

Silver Medal in Kaggle, American Express - Default Prediction

2023

National Undergraduate Transportation Science and Technology Competition - Second Prize

2022

Outstanding Student

2021, 2022, 2023

Miscellaneous

Research Interests: Generative Modeling, Human Motion Generation, Multi-modality Generation