

YUXUAN BIAN

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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 Language Models for Time Series Representation Learning**
Yuxuan Bian, Xuan Ju, Jiangtong Li, Zhijian Xu, Dawei Cheng, Qiang Xu
International Conference on Machine Learning (ICML), 2024.
- **PnP 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
- **BrushNet: A Plug-and-Play Image Inpainting Model with Decomposed Dual-Branch Diffusion**
Xuan Ju, Xian Liu, Xintao Wang, Yuxuan Bian, Ying Shan, Qiang Xu
The European Conference on Computer Vision (ECCV), 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
The Conference on Information and Knowledge Management (CIKM), 2024
- **MotionCraft: Crafting Whole-Body Motion with Plug-and-Play Multimodal Controls**
Yuxuan Bian, Ailing Zeng, Xuan Ju, Xian Liu, Zhaoyang Zhang, Wei Liu, Qiang Xu
Under Review, 2024

Working Experience

Tencent ARC Laboratory | *Research Intern*

Topic: Text-to-Video Generation, Multimodal Video Generation

Jun. 2024 - Present

Shenzhen, China

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

Academic Reviewer: NeurIPS (2024), TNNLS (2024).