

Runpeng Yu

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Education Background

National University of Singapore

Ph.D., Data Science, Institute of Data Science
Supervisor: Xinchao Wang

Singapore
Aug. 2022 – Now

Tsinghua University

MS, Data Science, Tsinghua-Berkeley Shenzhen Institute

Courses: Statistical Learning, Bayesian Learning, Large Deviation Theory, Information Theory
Supervisor: Shaolun Huang

Shenzhen, China
Sept. 2019 – Present

Tianjin University

BMS, Information Management and Information Systems, College of Management and Economics
Courses: General Artificial Intelligence, Data warehouse Technology, Data Mining

Tianjin, China
Sept. 2015 – July
2019

Nankai University

BEcon, Finance (Minor), School of Finance

Tianjin, China
Sept. 2016 – July
2019

Research Interests

- **Multimodal Large Language Model (MLLM)**. MLLM-Human Interaction and MLLM Performance-Efficiency Balance.
- **Machine Learning**. Lineage Relationships among Pretrained Models, Pretrained Model Reuse.

Publications

- **Runpeng Yu**, Weihao Yu and Xinchao Wang, *Attention Prompting on Image for Large Vision-Language Models*, ECCV 2024.
- **Runpeng Yu** and Xinchao Wang, *Neural Lineage*, CVPR 2024 **Oral**.
- **Runpeng Yu** and Xinchao Wang, *Generator Born from Classifier*, NeurIPS 2023.
- **Runpeng Yu**, Songhua Liu, Xingyi Yang, and Xinchao Wang, *Distribution Shift Inversion for Out-of-Distribution Prediction*, CVPR 2023.
- **Runpeng Yu**, Hong Zhu, Kaican Li, Lanqing Hong, Rui Zhang, Nanyang Ye, Shao-Lun Huang and Xiuqiang He, *Regularization Penalty Optimization for Addressing Data Quality Variance in OoD Algorithms*, AAAI 2022.

Internship

Noah's Ark Lab, Huawei

Research intern in machine learning and recommendation system

Shenzhen, China
Aug. 2020 - Aug. 2021

Services in Scientific Community

- Reviewer of CVPR, ECCV, ICCV, NeurIPS, ICLR, ICML, AAAI, ICLR, AISTATS, ICASSP, WACV, TIP, TMM, and PR.

Awards

NUS President's Graduate Fellowship	2022
Scholarship of Tsinghua Shenzhen International Graduate School, Second Prize	2020
National Undergraduate Scholarship	2017
Merit Student of Tianjin University	2017