

Rui Yin

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Education

The University of Hong Kong <ul style="list-style-type: none">• Master in Science, Computer Science• Withdrawn	Sept 2022 – Jan 2023
Sun Yat-sen University <ul style="list-style-type: none">• Bachelor of Engineering, Software Engineering• GPA: 3.6/4.0	Sept 2018 – June 2022

Interests

Computer Vision, Machine Learning, 3D Vision, Deep Model Compression

Publications

SRPose: Two-view Relative Pose Estimation With Sparse Keypoints

Rui Yin, Yulun Zhang, Zherong Pan, Jianjun Zhu, Cheng Wang, Biao Jia
ECCV, 2024
[project page](#)

Identifying Spatial Domain by Adapting Transcriptomics With Histology Through Contrastive Learning

Yuansong Zeng*, Rui Yin*, Mai Luo, Jianing Chen, Zixiang Pan, Yutong Lu, Weijing Yu, Yuedong Yang
Briefings in Bioinformatics, 2023

Spatial Transcriptomics Prediction From Histology Jointly Through Transformer and Graph Neural Networks

Yuansong Zeng, Zhuoyi Wei, Weijiang Yu, Rui Yin, Yuchen Yuan, Bingling Li, Zhonghui Tang, Yutong Lu, Yuedong Yang
Briefings in Bioinformatics, 2022

Experience

Hanglok-Tech Research Assistant Advisor: Biao Jia Relative Camera Pose Estimation <ul style="list-style-type: none">• SRPose: Two-view Relative Pose Estimation With Sparse Keypoints Model Quantization <ul style="list-style-type: none">• Proposing a new binarization function for model compression in depth estimation tasks (paper coming).	Shenzhen, China Aug 2023 – Present
Laboratory of Data Discovery for Health, The University of Hong Kong Research Assistant	Hong Kong SAR Oct 2022 – Jan 2023
AI4science Lab, Sun Yat-sen University Research Intern Advisor: Yuedong Yang <ul style="list-style-type: none">• Identifying Spatial Domain by Adapting Transcriptomics With Histology Through Contrastive Learning• Spatial Transcriptomics Prediction From Histology Jointly Through Transformer and Graph Neural Networks	Guangzhou, China Apr 2020 – Sept 2022

Additional Experience

NUS SOC 2021 Summer Workshop, National University of Singapore Advisor: Tan Zi Qing	Singapore May 2021 - Aug 2021
National Training Program of Innovation and Entrepreneurship Advisor: Yuedong Yang	Guangzhou, China Apr 2020 - Nov 2020