

# JI LIYA (姬莉娅)

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## EDUCATION

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- Doctor of Philosophy, Supervisor: Prof. Qifeng Chen & Prof. Qiang Yang** **2021.08 – 2024.10**  
Computer Vision, Visual Intelligence Laboratory, HKUST
- Master of Philosophy, GPA: 3.40/4.30, Supervisor: Prof. Qiang Yang** **2012.08 – 2015.07**  
Computer Science and Engineering, HKUST
- Bachelor of Engineering, GPA: 85.83/100** **2008.09 – 2012.07**  
Computer Science and Technology, Xi'an Jiaotong University

## EXPERIENCE

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- Postdoctoral Fellow (ITF), HKUST, Hong Kong** **2025.01 – Present**  
Work on Multi-modality LLMs related projects, including text-to-video generation and multi-modal editing.  
Supervisor: Prof. Qifeng Chen
- Computer Vision Center, Tencent AI Lab, Shenzhen** **2023.06 – 2024.08**  
Research Intern, Work on the Multi-modality LLMs with diffusion models for instruction-based image editing.  
Mentor: Dr. Xiaodong Cun, Dr. Xintao Wang
- Machine Intelligence Center, Lenovo Group Ltd, Hong Kong** **2018.11 – 2021.06**  
Manager (computer vision), Lead the product AutoCV with applications in the industry.
- Machine Intelligence Center, Lenovo Group Ltd, Hong Kong** **2017.01 – 2018.10**  
Staff Researcher
- Machine Intelligence Center, Lenovo Group Ltd, Hong Kong** **2015.08 – 2016.12**  
Researcher

## Publications

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Liya Ji is interested in generative models, low-level vision, and multi-modal LLMs. (\* indicateds equal contribution and † indicates corresponding authors)

- ModelGrow: Continual Text-to-Video Pre-training with Model Expansion and Language Understanding Enhancement

Zhefan Rao\*, **Liya Ji\***, Yazhou Xing, Runtao Liu, Zhaoyang Liu, Jiaxin Xie, Ziqiao Peng, Yingqing He†, Qifeng Chen†



Preprint, 2024

- A Diffusion Model with State Estimation for Degradation-Blind Inverse Imaging

**Liya Ji\***, Zhefan Rao\*, Sinno Jialin Pan, Chenyang Lei†, Qifeng Chen†

AAAI, 2024

- Neural Image Popularity Assessment with Retrieval-Augmented Transformer

**Liya Ji\***, Chan Ho Park\*, Zhefan Rao\*, Qifeng Chen†

ACM MultiMedia, 2023

- LeapDetect: An Agile Platform for Inspecting Power Transmission Lines from Drones

Guangcan Mai, Renjie Gou, **Liya Ji**, Hua Wu, Fei Cao, Qifeng Chen, Jun Luo†

ICDM Workshop, 2019

## Academic Services & Awards

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- Program Reviewers: ACM Multimedia 2024, CVPR 2025, ICCV 2025
- Postgraduate Studentship in Hong University of Science and Technology in 2021-2024
- Team Excellence, FY2017/2018 Lenovo Corporate Award in 2018
- Excellent graduate in Xi'an Jiaotong University in 2012

## Teaching Assistant

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- COMP 5214 Spring 2024: Advanced Deep Learning Architectures
- SYSH 5000 Spring 2022: Model-Based Systems Engineering

## Interests

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Traveling, Photography, Dancing, Psychology