

# LINGXIAO LI

Center for Computing & Data Sciences Boston University, Boston, MA, 02215  
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## INTERESTS

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Generative Models, Unsupervised/Few-shot Learning, Multi-modal Learning

## EDUCATION

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### Boston University

Doctor of Philosophy in Computing & Data Sciences  
Advisor: Prof. Boqing Gong

**Boston, US**

*Sep. 2025 - present*

### Columbia University

Master of Science in Computer Science

**New York, US**

*Jan. 2021 - May 2022*

### University of Liverpool

Bachelor of Science with Honours in Computer Science

**Liverpool, UK**

*Sep. 2018 - Jul. 2020*

### Xi'an Jiao-tong Liverpool University

Bachelor of Science in Information and Computing Science

**Suzhou, CN**

*Sep. 2016 - Jul. 2020*

## PUBLICATIONS

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1. **Lingxiao Li**, Kaixuan Fan, Boqing Gong, and Xiangyu Yue. “HypDAE: Hyperbolic Diffusion Autoencoders for Hierarchical Few-shot Image Generation.” In *International Conference on Computer Vision (ICCV)*, 2025. [PDF]
2. **Lingxiao Li**, Kaixiong Gong, Weihong Li, Xili Dai, Tao Chen, Xiaojun Yuan, and Xiangyu Yue. “BIFRÖST: 3D-Aware Image Compositing with Language Instructions” In *Conference on Neural Information Processing Systems (NeurIPS)*, 2024. [PDF]
3. **Lingxiao Li**, Yi Zhang, and Shuhui Wang. “The Euclidean Space is Evil: Hyperbolic Attribute Editing for Few-shot Image Generation.” In *International Conference on Computer Vision (ICCV)*, 2023. [PDF]
4. Yuanyuan Zhang, Ruiwei Guan, **Lingxiao Li**, Rui Yang, Yutao Yue, and Eng Gee Lim. “Radar-ODE: An ODE-based ECG Recovery and Auto-segmentation Model from Millimeter-wave Radar.” In *Transactions on Mobile Computing (TMC). IEEE*, 2025. [PDF]
5. Wei Hao, Zixi Wang, Lauren Hong, **Lingxiao Li**, Nader Karayanni, Chengzhi Mao, Junfeng Yang, and Asaf Cidon. “Nazar: Monitoring and Adapting ML Models on Mobile Devices.” In *ACM International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)*, 2025. [PDF]
6. Congwei Ni, Sihan Cheng, Xutao Wang, Tianyun Hu, Zhenjin Dai, Dongliang Zhang, **Lingxiao Li**, and Xin Huang. “Model Checking the Reliability of Data Center Network.” In *International Conference on Information Technology in Medicine and Education (ITME). IEEE*, 2018. [PDF]

## RESEARCH EXPERIENCE

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**Faculty of Computing & Data Sciences, Boston University**  
Research Assistant

**Boston, US**  
*Sep. 2025 - present*

- Real-time video stylization
- Fine-grained Visual CoT for VLM

*Advisor: Prof. Boqing Gong*

**MMLab, The Chinese University of Hong Kong**  
Research Assistant

**Hong Kong SAR**  
*Dec. 2023 - Jul. 2025*

- LLM Guided 3D-Aware Image Composition (**NeurIPS '24**)
- Diffusion Autoencoders for Hierarchical Few-shot Image Generation (**ICCV '25**)

*Advisor: Prof. Xiangyu Yue*

**Institute of Computing Technology, Chinese Academy of Sciences**  
Research Intern

**Beijing, CN**  
*Jul 2021 - Mar 2023*

- Few-shot Image Generation in Hyperbolic Space (**ICCV '23**)

*Advisor: Prof. Shuhui Wang*

**Department of Computer Science, Columbia University**  
Research Assistant

**New York, US**  
*Jan 2022 - Dec 2022*

- Monitoring and Adapting to Domain Shift Across Millions of Edge Devices (**ASPLOS '25**)

*Advisor: Prof. Junfeng Yang and Prof. Asaf Cidon*

**Department of Electrical Engineering, Columbia University**  
Research Assistant

**New York, US**  
*May 2021 - Jan 2022*

- Cloud Enhanced Open Software Defined Mobile Wireless Testbed for City-Scale Deployment

*Advisor: Prof. Zoran Kostic*

## TEACHING EXPERIENCE

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**Columbia University**  
CSOR W4231 - Analysis of Algorithms  
*Instructor: Eleni Drinea*

**New York, US**  
*Spring 2022*

- Teaching Assistant for 250 students
- Developed course material, assignments and gave tutorials

## SKILLS

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- **Frameworks:** Pytorch, TensorFlow, Keras, OpenCV
- **Programming Languages:** Python, Java, Matlab,  $\text{\LaTeX}$ , HTML, SQL, JavaScript, Swift, PHP

## SERVICES

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- **Conference Reviewer:** ICLR 2024-2025, CVPR 2025, ICCV 2025, AISTATS 2025, ICML 2024-2025, NeurIPS 2024-2025, WACV 2025, AAAI 2025, ECCV 2024
- **Journal Reviewer:** TPAMI, Pattern Recognition

## ACTIVITIES

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- **Volunteer:** Primary School Teacher, AIESEC Overseas Volunteer Program in Colombo, Sri Lanka, Jul 2017
- **Interests:** History, Classical Music, Movies, Philosophy