

Junlin Xie (Leon Xie)

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Education

University of Electronic Technology and Science of China

M.S. in Computer Science
advised by Prof. Jingkuan Song and Prof. Lianli Gao

Chengdu, Sichuan, CN
2023-09 – present

Guilin University of Electronic Technology

B.S. in Software Engineering
CGPA: 3.87/4.00 (Average Score: 90.7 / 100)

Guilin, Guangxi, CN
2019-09 – 2023-07

Professional Experience

Galaxea

Embodied AI Engineer Intern w/ Prof. Huazhe Xu
Robotic Foundation Model

Beijing, CN
2025-09 – present

Center for Future Media (CFM), UESTC

Graduate Researcher
Robotics, In-context Adaptation

Chengdu, Sichuan, CN
2024-08 – present

Shanghai Artificial Intelligence Laboratory (Shanghai AI Lab)

Research Intern w/ Dr. Peng Gao & Prof. Hongsheng Li
Text-to-Image Diffusion via Flow Matching

Shanghai, CN
2024-04 – 2024-07

Center for Future Media (CFM), UESTC

Undergraduate Student Researcher
Scene Graph Generation

Chengdu, Sichuan, CN
2023-02 – 2023-07

York University

Visiting Student (Online)
Project: Research Methods in Science & Writing a Scientific Paper

Toronto, ON, CA
2022-03 – 2023-03

Nanyang Technological University

Visiting Student (Online)
Project: Introduction to Artificial Intelligence

SG
2021-08 – 2021-08

Cloud and Internet of Things, GUET

Undergraduate Student
Low-light Image Enhancement, Image Restoration

Guilin, Guangxi, CN
2020-02 – 2022-12

Publications

*denotes equal contributions

In-Context Adaptation for Generalizable Imitation Learning

Junlin Xie, Xu Luo, Hao Wu, Ji Zhang, Youguang Xing, Lianli Gao, Jingkuan Song
Conference on Robot Learning (CoRL), RememberRL @ Workshop (Spotlight)

2025

Policy Contrastive Decoding for Robotic Foundation Models

Shihan Wu*, Ji Zhang*, Xu Luo, Junlin Xie, Jingkuan Song, Heng Tao Shen, Lianli Gao
Submitted to ICLR 2026

2025

Shortcut Learning in Generalist Robot Policies: The Role of Dataset Diversity and Fragmentation

Youguang Xing*, Xu Luo*, Junlin Xie, Lianli Gao, Heng Tao Shen, Jingkuan Song
Conference on Robot Learning (CoRL)

2025

Lumina-T2X: Transforming Text into Any Modality, Resolution, and Duration via Flow-based Large Diffusion Transformers

Alpha-VLLM Team
International Conference on Learning Representations (ICLR) (Spotlight)

2025

PixWizard: Versatile Image-to-Image Visual Assistant with Open-language Instructions	2025
Weifeng Lin*, Xinyu Wei*, Renrui Zhang*, Le Zhuo, Shitian Zhao, Siyuan Huang, Huan Teng, Junlin Xie, Yu Qiao, Peng Gao, Hongsheng Li	
International Conference on Learning Representations (ICLR)	
Multi-Concept Learning for Scene Graph Generation	2023
Xinyu Lyu, Lianli Gao, Junlin Xie, Pengpeng Zeng, Yulu Tian, Jie Shao, Heng Tao Shen	
IEEE Transactions on Image Processing, 2025	

Engineering Projects

Worked on reproducing HiRobot from Physical Intelligence (PI)	2025
Project leader	
Robotics, VLA	
Multi-scale Visual Modeling via Residual Quantization for Autoregressive Image Generation	2024
Project leader	
Autoregressive Image Generation, Quantization	
PaddlePaddle Hackathon	2023
Personal Developer	
Implemented 'polar', 'signbit', 'i0', 'i0e', 'polygamma' CPU and GPU kernels in PaddlePaddle	
Huawei Cloud Autonomous Vehicle	2020
Project leader	
Object detection, ROS, Control	

Awards & Scholarships

National Scholarship , Ministry of Education of the PRC	2021
For academic and technology competition standing	
Autonomous Region Scholarship, Autonomous Region of Guangxi	2020
For attaining a semester CGPA in rank 2 (2/707).	
Excellent Student Scholarship (Second-class) , UESTC	2023
To honor candidates matriculating into a master's program.	
Excellent Student Scholarship (First-class) , GUET	2023
For academic standing	
Outstanding Thesis Award , GUET	2023
The 4th National Student Embedded Chip and System Design Competition , GUET	2021
National Second Prize	
The 9th "China Software Cup" Software Design Competition , GUET	2020
National Second Prize	

Service

International Conference on Learning Representations (ICLR)	2025, 2026
As a reviewer	
Server Administrator , UESTC	2023 - present
Maintain about 30 servers in the CFM.	
Member of 550W Host Shareholders Organization (Personal Tech Group)	2023 - present
Discuss some funny technology.	

Skills

Deep Learning frameworks: Transformers, Diffusers, PyTorch, Jax (beginner).
Programming skills: Python, C++, Git, \LaTeX , Shell, Basic web design.
Others: Linux (Daily use Arch Linux, Ubuntu), Slurm, ROS1.