Yanjing Li			
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Education	Ph.D. , Electronics and Information Engineering, Beihang University, Beijing, China	Sep 2020) - Present
	B.S. , Electronics and Information Engineering (Shen Yuan Honors College), Beihang University, Beijing, China	Sep 2016	- Jun 2020
RESEARCH EXPERIENCE	Research Student, Beihang University Advisor: Prof. Xianbin Cao & Prof. Baochang Zhang Topics: Efficient NNs • Network Binarization & Quantization • Neural Architecture Search • 2D & 3D Detection Acceleration	Sep 2	020 - Now
	 Research Intern, Bytedance, Beijing, China Mentor: – Topics: Binarization and Quantization for Multimodal LLMs General Quantization of LLMs. Binarization and Quantization for LLama and LLava. 	Mar 2	024 - Now
	 Research Intern, Shanghai AI Lab, Beijing, China Mentor: Xiao Sun Topics: Binarization and Quantization for ViTs and AIGC models General Binarization of Vision Transformers. Quantization of Diffusion models. 	Nov 2022 -	Mar 2024
	 Automatic driving research intern, Sensetime, Beijing, China Mentor: Lewei Lu Topics: Acceleration and Hardware Deployment for 3D Object Detector Distillation of 3D image-based detector. Quantization and Sparsification for 3D lidar-based detector towards detector. 	r	- Oct 2022
Publications	(* indicates equal contribution)		
	Conferences		
	"Bi-ViT: Pushing the Limit of Vision Transformer Quantization". Yanjing Li*, Sheng Xu*, Mingbao Lin, Xianbin Cao, Chuanjian Liu, Xiao Sun, Bao		I 2024
	"Q-DM: An Efficient Low-bit Quantized Diffusion Model". Yanjing Li*, Sheng Xu*, Xianbin Cao, Baochang Zhang, Xiao Sun	NeurIP	S 2023
	"Representation Disparity-aware Distillation for 3D Object Detection". Yanjing Li*, Sheng Xu*, Mingbao Lin, Jihao Yin, Baochang Zhang, Xianbin Cao	ICC	V 2023

"Q-ViT: Accurate and Fully Quantized Low-bit Vision Transformer".

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- "Learning 1-Bit Tiny Object Detector with Discriminative Feature Refinement". ICML 2024 Sheng Xu*, Mingze Wang*, Yanjing Li*, Mingbao Lin, Baochang Zhang, David Doermann, Xiao Sun
- "Q-DETR: An Efficient Low-Bit Quantized Detection Transformer". **CVPR 2023 (Highlight)**Sheng Xu*, **Yanjing Li***, Mingbao Lin, Peng Gao, Guodong Guo, Jinhu Lü, Baochang Zhang
- "Resilient Binary Neural Network".

 AAAI 2023 (Oral)

Sheng Xu*, Yanjing Li*, Teli Ma, Mingbao Lin, Hao Dong, Baochang Zhang, Peng Gao, Jinhu Lü

- "Recurrent Bilinear Optimization for Binary Neural Networks". ECCV 2022 (Oral) Sheng Xu*, Yanjing Li*, Tiancheng Wang, Teli Ma, Baochang Zhang, Peng Gao, Yu Qiao, Jinhu Lü, Guodong Guo
- "IDa-Det: An Information Discrepancy-aware Distillation for 1-bit Detectors". **ECCV 2022** Sheng Xu*, **Yanjing Li***, Bohan Zeng, Baochang Zhang, Xianbin Cao, Peng Gao, Jinhu Lü
- "POEM: 1-bit Point-wise Operations based on Expectation-Maximization for Efficient Point Cloud Processing".

 BMVC 2021

Sheng Xu*, Yanjing Li*, Junhe Zhao, Baochang Zhang, Guodong Guo

"Implicit Diffusion Models for Continuous Super-Resolution". CVPR 2023
Sicheng Gao, Xuhui Liu, Bohan Zeng, Sheng Xu, Yanjing Li, Xiaoyan Luo, Jianzhuang Liu,
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Journals

"DCP-NAS: Discrepant Child-Parent Neural Architecture Search for 1-bit CNNs". **International Journal of Computer Vision**

Yanjing Li, Sheng Xu, Xianbin Cao, Li'an Zhuo, Baochang Zhang, Tian Wang, Guodong Guo

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