Yunqiang Li

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Educational Background	■ 02/2018 – 02/2022 Delft University of Technology (**TUDelft**) **PhD** in Pattern Recognition and Computer Vision Laboratory. **Supervisor:** Jan C. van Gemert **Research Area:** Deep Learning, Computer Vision ■ 03/2017 – 12/2017 Xi'an Jiaotong University (**XJTU**) **PhD** of Computer Science and Engineering **Supervisor:** Dr. Xinmin Dong **Research Area:** Computer Vision ■ 09/2014 – 12/2016 Joint Master of **XJTU** and Air force Engineering University **Master** of Signal and Information Processing **Supervisor:** Dr. Yufei Zha **Research topic:** Pattern Recognition ■ 09/2010 – 06/2014 Air force Engineering University **Bachelor**'s degree of Computer Science & Engineering
Research Interests	■ Binarized neural networks ■ Deep binary hashing ■ Pruning & Quantization ■ Image Rescaling ■ Network Normalization ■ Video Tracking & Pose estimation ■ Person Re-Identification
Experience	■ 12/2021 – Present, Argus A 2 months small collaboration between TUDelft and Argus Working on animal pose estimation ■ 03/2021 – Present, Northwestern Polytechnical University (**NPU**) **Guest researcher:** supervise masters on tracking & Image fusion
Supervised students	■ 10/2020 – Present, Joris Quist, Master in TUDelft Topic: Binary neural network optimization. ■ 03/2021 – Present, Fan Li, Master in NPU Topic: Image fusion for video tracking ■ 10/2019 – 08/2020, Arkajit Bhattacharya, Master in TUDelft Topic: Learnable initialization for deep networks ■ 10/2018 – 08/2019, Hongyu Yang, Master in TUDelft Topic: Person Re-identification
Review service	■ 2021: CVPR, ICCV, BMVC, WACV ■ 2020: CVPR, ICPR, BMVC ■ 2019: BMVC

Publications	■ **Yunqiang Li**, Silvia L. Pintea and Jan C. van Gemert. Equal Bits: Enforcing Equally Distributed Binary Network Weights. **AAAI** Conference on Artificial Intelligence, 2022.
	■ **Yunqiang Li** and Jan C. van Gemert. Deep Unsupervised Image Hashing by Maximizing Bit Entropy. **AAAI** Conference on Artificial Intelligence, 2021.
	■ **Yunqiang Li**, Wenjie Pei, Yufei Zha and Jan C. van Gemert. Push for Quantization: Deep Fisher Hashing. The British Machine Vision Conference (**BMVC**) **Oral** (4.7% acceptance rate), 2019.
	■ Xiangwei Shi*, **Yunqiang Li***, Xin Liu* and Jan C. van Gemert (*Equal contribution) WeightAlign: Normalizing Activations by Weight Alignment. International Conference on Pattern Recognition (**ICPR**), 2020.
	■ **Yunqiang Li**, Yufei Zha, Huanyu Li, et al. Learning Weighted Hashing on Local Structured Data. IEEE International Conference on Image Processing (**ICIP**) **Oral**, 2016.
	■ **Yunqiang Li**, Yufei Zha, Bing Qin, Jun Tian, Chang Liu. Kernelized Supervised Context Hashing. IET Image Processing, 2016.
	■ Xiangwei Shi, Seyran Khademi, **Yunqiang Li**, Jan C. van Gemert. Zoom-CAM: Generating Fine-grained Pixel Annotations from Image Labels. International Conference on Pattern Recognition (**ICPR**), 2020.
	■ Yufei Zha, Tao Ku, **Yunqiang Li**, Peng Zhang. Deep Position-Sensitive Tracking. IEEE Transactions on Multimedia (**TMM**), 2019.
Additional Information	■ **Teaching Assistant:** Master Course on Deep Learning; Master Course on Computer Vision; ASCI Course on Advanced Pattern Recognition.
	■ **ASCI Winter School:** Efficient Deep Learning.
	■ **Languages:** Python, PyTorch, Matlab.