

MANYUAN ZHANG

PERSONAL DATA

ADDRESS: SHB 304
The Chinese University of Hong Kong
Hong Kong S.A.R., China
PHONE: +86 17713621744
EMAIL: zhangmanyuan@link.cuhk.edu.com
HOMEPAGE: manyuan97.github.io

WORK EXPERIENCE

since 02/2019	Research Intern at SenseTime X-Lab , working on face recognition and video understanding.
08/2018–01/2019	Research Intern at Megvii (Face++) , working on video style transfer.
05/2018–08/2018	Research Intern at Bytedance AI Lab , working on face recognition.

EDUCATION

09/2015–06/2019	B.Sc in Network Engineering, School of Communication University of Electronic Science and Technology of China GPA: 3.90/4
08/2021–present	Ph.D student, Multimedia Laboratory The Chinese University of Hong Kong, Hong Kong

HONORS AND AWARDS

- Won the **1th place** in CVPR21 Masked Face Recognition Challenge (**WebFace260M**, **InsightFace Unconstrained** and **InsightFace glint360k** track).
- Won the **1th place** in CVPR20 ActivityNet Challenge (**Kinetics700** track and **AVA** track)
- Won the **1th place** in NIST FRVT held by US government (**1:1 Verification** and **1:N Identification**)
- Won the **1th place** in ICCV19 Multi-Moments in Time (MIT) Challenge
- Won the **1th place** in ICCV19 Lightweight Face Recognition Challenge

PUBLICATIONS

- **Towards Robust Face Recognition with Comprehensive Search**
Manyuan Zhang, Guanglu Song, Yu Liu, Hongsheng Li.
European Conference on Computer Vision (ECCV) 2022.
- **Switchable K-class Hyperplanes for Noise-robust Representation Learning**
Boxiao Liu, Guanglu Song, **Manyuan Zhang**, Haihang You, Yu Liu
International Conference on Computer Vision (ICCV) 2021.
- **Discriminability Distillation in Group Representation Learning**
Manyuan Zhang, Guanglu Song, Hang Zhou, Yu Liu.
European Conference on Computer Vision (ECCV) 2020.
- **Towards flops-constrained face recognition**
Yu Liu*, Guanglu Song*, **Manyuan Zhang***, Jihao Liu*, Yucong Zhou, Junjie Yan.
IEEE International Conference on Computer Vision Workshops (ICCVW) 2019.
- **Tensor sensing for RF tomographic imaging**
Tao Deng, Feng Qian, Xiao-Yang Liu, **Manyuan Zhang**, Anwar Walid.

IEEE International Conference on Multimedia and Expo (ICME) 2018.

- **Privacy-preserving sensory data recovery**
Cai Chen, **Manyuan Zhang**, Huanzhi Zhang, Zhenyun Huang, Yong Li.
IEEE International Conference On Trust, Security And Privacy In Computing (TrustCom) 2018.
- **Top-1 Solution of Multi-Moments in Time Challenge 2019 (top-1 solution)**
Manyuan Zhang, Hao Shao, Guanglu Song, Yu Liu, Junjie Yan.
arXiv preprint.
- **Towards Large-scale Masked Face Recognition (top-1 solution)**
Manyuan Zhang, Bingqi Ma, Guanglu Song, Yunxiao Wang, Hongsheng Li, Yu Liu.
arXiv preprint.
- **1st place solution for AVA-Kinetics Crossover in ActivityNet Challenge 2020 (top-1 solution)**
Siyu Chen, Junting Pan, Guanglu Song, **Manyuan Zhang**, Hao Shao, Ziyi Lin, Jing Shao, Hongsheng Li, Yu Liu.
arXiv preprint.
- **Complementary Boundary Generator with Scale-Invariant Relation Modeling for Temporal Action Localization: Submission to ActivityNet Challenge 2020**
Haisheng Su, Jinyuan Feng, Hao Shao, Zhenyu Jiang, **Manyuan Zhang**, Wei Wu, Yu Liu, Hongsheng Li, Junjie Yan.
arXiv preprint.

SELECTED PROJECTS

- **X-Xemporal** <https://github.com/Sense-X/X-Temporal>
Easily implement SOTA video understanding methods with PyTorch on multiple machines and GPUs.
- **DI-drive** <https://github.com/openslab/DI-drive>
Decision Intelligence Platform for Autonomous Driving simulation.

COMPUTER SKILLS

PROGRAMMING LANGUAGES	Python, Java, C/C++
DEEP LEARNING FRAMEWORKS:	Pytorch, MxNet
SOFTWARE	Linux, Vim, Latex