

YanwuXU

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Education

University of Pittsburgh, Pittsburgh, PA 15224, USA

PHD., **Intelligent System Program**, Sep. 2019—

Advisor: Kayhan Batmanghelich, Co-Advisor: Mingming Gong

Central South University, Changsha, CN

B.S., **Electronic Mechanical Engineering**, Sep. 2013-Jun. 2017 GPA:
3.6/4.0 (Rank: 3 /25)

Toefl: 100

Research
Interests

- Computer Vision: , metric learning, few shot learning, semantic segmentation
- Machine Learning: domain transfer, implicit modeling

Research
Experience

- Research intern, **Universit e Paris-Est**, Paris, Fr Sep. 2017-May. 2018

Advisor: Prof. Chaohui Wang

Main work: Develop a robust local descriptor model and the work is accepted by **ACCV2018**

- Visting Scholar, **University of Pittsburgh**, Pitt, US Jun. 2018Advisor: Prof. Kayhan Batmanghelich

Main work: Propose a multi-scale network based on U-Net for brain tumor segmentation. Our method get rank 9/66 in **BraTS challenge**

Research
Publication

- Twin Auxiliary Classifiers GAN, NeurIPS2019 spotlight (0.2%), Mingming Gong*, **Yanwu Xu***, Chunyuan Li, Kun Zhang, Kayhan Batmanghelich (* equal contribution).
- Generative-Discriminative Complementary Learning, AAAI2020, **Yanwu Xu**, Mingming Gong, Junxiang Chen, Tongliang Liu, Kun Zhang, Kayhan Batmanghelich.
- Compressed Self-Attention for Deep Metric Learning, AAAI2020, Ziye Chen, Mingming Gong, **Yanwu Xu**, Chaohui Wang, Kun Zhang, Bo Du.

- Robust Local Descriptor Learning, ACCV2018, **Yanwu Xu**, Mingming Gong, Tongliang Liu, Kayhan Batmanghelich and Chaohui Wang.
- Multi-scale Masked 3-D U-Net for Brain Tumor Segmentation, BraTS2018 LNCS, **Yanwu Xu**, Mingming Gong, Huan Fu, Dacheng Tao, Kun Zhang and Kayhan Batmanghelich.

Technical
Skills

Programing Language: Python, Cython, Matlab, C++, Java, SQL.
Machine Learning Framework: Pytorch, Tensorflow .