

Education

- 2017 – **Northwestern University**, Evanston, IL.
Ph.D. in Electrical Engineering and Computer Science
Advisor: Prof. Ying Wu
- 2014 – 2016 **University of California San Diego**, San Diego, CA.
M.S. in Electrical and Computer Engineering
- 2010 – 2014 **University of Electronic Science and Technology of China**, Chengdu, China.
B.Eng. in Electrical Information Engineering
GPA: 3.91/4.00. Rank: TOP 3%.

Publications and/or Submitted Manuscripts

Xiangyun Zhao, Yi Yang, Feng Zhou, Yingze Bao, Xiao Tan, Yuchen Yuan and Ying Wu. **The title is not disclosed due to anonymous submission**

Under review by the *IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2019*.

Xiangyun Zhao, Haoxiang Li, Xiaohui Shen, Xiaodan Liang and Ying Wu. **A Modulation Module for Multi-task Learning with Application in Image Retrieval**

Published in the *15th European Conference on Computer Vision (ECCV) 2018*.

Xiangyun Zhao, Shuang Liang and Yichen Wei. **Pseudo-Mask Augmented Object Detection**

Published in the *IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2018*.

Xiangyun Zhao, Xiaodan Liang, Luoqi Liu, Teng Li, Yugang Han, Nuno Vasconcelos and Shuicheng Yan. **Peak Piloted Deep Network for Expression Recognition**

Published in the *14th European Conference on Computer Vision (ECCV) – Amsterdam 2016*.

Yan-Tsung Peng, **Xiangyun Zhao** and Pamela Cosman. **Single underwater image enhancement using depth estimation based on blurriness (Top 10% paper award)**

Published in *IEEE International Conference on Image Processing, ICIP 2015*

References

Ying Wu Professor at EECS department, Northwestern University

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Shuicheng Yan Associate Professor at ECE department, National University of Singapore

Email: eleyans@nus.edu.sg

Yichen Wei Senior Researcher, Microsoft Research

Email: yichenw@microsoft.com

Research Experiences

- Sep. 2017 – **Computational Vision Lab**, Northwestern University. Advisor: **Prof. Ying Wu**
Scene understanding, large-scale object detection, joint modeling of images and text, and machine learning techniques for visual recognition problems
- June 2018 – Dec. 2018 **Institute of Deep Learning**, Baidu Research U.S.A. Mentor: **Dr. Feng Zhou**, **Dr. Yi Yang**
Our work is submitted to CVPR 2019
- June 2017 – Dec. 2017 **Creative Technology Lab**, Adobe Research. Mentor: **Dr. Haoxiang Li**, **Dr. Xiaohui Shen**
Worked on multi-task learning and image retrieval. Explored an effective multi-task learning technique to solve the problem that tasks may compete or even distract each other during joint training. **One patent is filed. Our work is published in ECCV 2018**

- Apr. 2016 - Dec. **Visual Computing Group**, Microsoft Research Asia. Mentor: [Dr. Yichen Wei](#).
2016 Worked on object detection and semantic segmentation. Explored an effective weakly instance segmentation to improve object detection with only bounding box annotation. **Our work is published in CVPR 2018**
- Oct. 2015 - Apr. **360 AI Institute**, Qihoo 360. Advisor: [Prof. Shuicheng Yan](#)
2016 Worked on face recognition and facial expression recognition. Explored an efficient way to solve profile face recognition and weak expression recognition. **Our work is published in ECCV 2016**
- Oct. 2014 - Feb. **Prof. Cosman's Group**, University of California, San Diego. Advisor: [Prof. Pamela Cosman](#)
2015 Worked on image processing and enhancement. Proposed a novel algorithm for underwater image dehaze. **Our work is published in ICIP 2015 and won the top 10% paper award**

Reviewer

- Conference CVPR 2019
Journal IEEE Transactions on Pattern Analysis and Machine Intelligence(T-PAMI)

Honors and Awards

Supported University Collaborations Funding by Adobe
Northwestern Ph.D. Fellowship by Northwestern University.
Top 10% Paper Award by ICIP 2015
Excellent Graduate Student for studying abroad by UESTC
1st Class Scholarship for Academic Excellence(5%) by UESTC

Program

- Program Python(proficient), C++, LaTeX and MATLAB. Have experience in Javascript.
language
Tool Pytorch(proficient), Tensorflow(proficient), Caffe(proficient), Torch, Theano, MXNET