Songyang Zhang

CONTACT INFORMATION	ShanghaiTech University www.syzhang.me	+86 13070165319 sy.zhangbuaa@gmail.com

<small>RESEARCH INTERESTS</small>

Meta Learning, Semantic Segmentation, Reinforcement Learning, Object Detection

<small>EDUCATION</small>

ShanghaiTech University, Shanghai, China

M.S., School of Computer Science, *Expected:* Summer 2020
- Advisors: Xuming He, Ph.D

Beihang University, Beijing, China

B.S., School of Electronics and Information Engineering , June 2017
- Advisors: Mai Xu, Ph.D

<small>RESEARCH EXPERIENCE</small>

Research Assistant — Jul. 2017 - present
PLUS Group,
ShanghaiTech University
Topics: Meta Learning, Image Segmentation
Supervisor: Xuming He, Ph.D

Algorithm Intern — Jan. 2017 - Jun. 2017
Algorithm Research Group,
TuSimple, Inc
Topics: Object Detection, Image Segmentation
Supervisors: Naiyan Wang, Ph.D

Research Assistant — Jul. 2016 - Dec. 2016
Communication and Signal Processing Lab,
Beihang University
Topics: Video Saliency
Supervisors: Mai Xu, Ph.D and Yufan Liu, M.S.

Research Assistant — Dec. 2015 - Jun. 2016
Virtual Reality Lab,
Beihang University
Supervisors: Xinxin Yang, Ph.D and Weimin Diao, M.S.

<small>PUBLICATIONS</small>

1. Shipeng, Yan, **Songyang Zhang.**, and Xuming He. "Learning to active learning with graph convolutional network." *prepare to submit*

2. **Songyang Zhang.**, Shipeng, Yan, Junren Zheng, and Xuming He. "Learning to multi-task learning via meta learning." *prepare to submit*

3. Shipeng, Yan.*, **Songyang Zhang.*** and Xuming He. "Few-shot learning via dual-attention network and semantic embedding." *in AAAI 2019.(* denotes equal contribution)*

4. Yuhang Song, Mai Xu, **Songyang Zhang**, Liangyu Huo, "Generalization Tower Network: A Novel Deep Neural Network Architecture for Multi-Task Learning." *in NIPS 2018 Deep RL Workshop*

5. Liu, Yufan, **Songyang Zhang**, Mai Xu, and Xuming He. "Predicting salient face in multipleface videos." *In CVPR. 2017.*

AWARDS	Competition Awards

- Challenge-Cup National College Student Business Plan Competition   Jun. 2016
  Achievement: National 1st Prize in the final
- Mathematical Contest In Modeling,2016   Apr. 2016
  Achievement: Honorable Prize
- National Cryptology Contest for Undergraduate   Nov. 2015
  Achievement: National 1st Prize in the final
- National Electronic Design Contest for Undergraduate   Sept. 2015
  Achievement: National 2nd Prize in the final
- China Undergraduate Mathematical Contest in Modeling   Sept. 2014
  Achievement: Beijing 1st Prize in the final

Student Awards — Beihang University, School of Electronics and Information Engineering.
- Outstanding Graduates Award(Beijing)   Jun. 2017
- The First Prize Scholarship(University)   Oct. 2016

SERVICE

President, Association for Electronic Science   Sep. 2015 – Jun. 2016
and Technology in Beihang University.

President, Association for Tencent School Stars   Sep. 2014 – Jun. 2015
in Beihang University.

REFERENCES

Xuming He
     Associate Professor   E-mail: hexm@shanghaitech.edu.cn
     School of Information Science and Technology
     ShanghaiTech University

Naiyan Wang
     Principal Scientist   E-mail: winsty@gmail.com
     Algorithm Research Group(Beijing)
     TuSimle, Inc.

Mai Xu
     Associate Professor   E-mail: MaiXu@buaa.edu.cn
     School of Electronics and Information
     Beihang University