

TETE XIAO

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EDUCATION

Peking University, Beijing, China

(2015.9 - present)

B.S., Department of Intelligence Science, School of Electronics Engineering and Computer Science

GPA: 3.71 / 4

Core Courses: Advanced Mathematics (94 & 100), Linear Algebra (91), Introduction to Computing (93),
Practice of Programming in C&C++ (100), Data Structure and Algorithms (91)

PUBLICATIONS

1. ***Tete Xiao**, *Yingcheng Liu, *Bolei Zhou, Yuning Jiang and Jian Sun (*: equal contribution)
Unified Perceptual Parsing for Scene Understanding,
European Conference on Computer Vision (ECCV), Sept. 2018
2. *Borui Jiang, *Ruixuan Luo, Jiayuan Mao, Tete Xiao, Yuning Jiang and Jian Sun
Acquisition of Localization Confidence for Accurate Object Detection,
European Conference on Computer Vision (ECCV), **Oral**, Sept. 2018
3. *Haoyue Shi, *Jiayuan Mao, ***Tete Xiao**, Yuning Jiang and Jian Sun (*: equal contribution)
Learning Visually-Grounded Semantics from Contrastive Adversarial Samples,
International Conference on Computational Linguistics (COLING), Aug. 2018
4. *Chao Peng, ***Tete Xiao**, *Zeming Li, Yuning Jiang, Xiangyu Zhang, Kai Jia, Gang Yu
and Jian Sun (*: equal contribution)
MegDet: A Large Batch Object Detector,
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), **Spotlight**, Jun. 2018
Winner of the COCO 2017 Detection Challenge
5. Xinlong Wang, **Tete Xiao**, Yuning Jiang, Shuai Shao, Jian Sun and Chunhua Shen
Repulsion Loss: Detecting Pedestrians in a Crowd,
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Jun. 2018
6. *Jiayuan Mao, ***Tete Xiao**, Yuning Jiang and Zhimin Cao (*: equal contribution)
What Can Help Pedestrian Detection,
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Jul. 2017

ACADEMIC COMPETITIONS

1. *Chao Peng, ***Tete Xiao**, *Zeming Li, Yuning Jiang, Xiangyu Zhang, Kai Jia, Gang Yu
and Jian Sun (*: equal contribution)
Megvii (Face++),
Winner of the COCO 2017 Detection Challenge.
2. ***Tete Xiao**, *Ruixuan Luo, *Borui Jiang, Shuai Shao, Yuning Jiang, Yadong Mu, Jieqi Shi,
Chi Zhang and Jian Sun (*: equal contribution)
Megvii (Face++) and Peking University,
Winner of the Places 2017 Instance Segmentation Challenge.
3. Yilun Chen*, Zhicheng Wang*, Yuxiang Peng, Zhiqiang Zhang, Gang Yu, Chao Peng,
Tete Xiao, Zeming Li, Yuning Jiang, Xiangyu Zhang, Jian Sun
Megvii (Face++),
Winner of the COCO 2017 Human Keypoint Challenge.
4. Ruixuan Luo*, Borui Jiang*, **Tete Xiao***, Chao Peng*, Yuning Jiang, Zeming Li,
Xiangyu Zhang, Gang Yu and Jian Sun (*: equal contribution)
Megvii (Face++) and Peking University,
First runner-up of the COCO 2017 Instance Segmentation Challenge.

EXPERIENCE

Research Intern in AI, MIT-IBM Watson AI Lab (2018.7 - present)

Mentor: Dr. Quanfu Fan and Dr. Dan Gutfreund, IBM Research

Collaborator: Dr. Bolei Zhou, Ph.D., MIT CSAIL

Supervisor: Dr. Aude Oliva, Principal Investigator, MIT CSAIL

Research Intern in Auto Driving (2018.5 - 2018.7)

Mentor: Shaoqing Ren, R&D Director and Co-founder, Momena AI

Senior Research Intern in Computer Vision (2015.12 - 2018.5)

Mentor: Mr. Yuning Jiang, Lead Researcher, Megvii (Face++) Research

Supervisor: Dr. Jian Sun, Chief Scientist, Megvii (Face++) Research

Research Assistant in Computer Vision, Machine Intelligence Lab (2016.5 - 2017.6)

Supervisor: Dr. Yadong Mu, Assistance Professor, Peking University

OPEN-SOURCED PROJECTS

1. Semantic segmentation toolbox on PyTorch in conjunction with MIT CSAIL (1400 stars).
<https://github.com/CSAILVision/semantic-segmentation-pytorch>
2. Precise RoI-Pooling, proposed in Acquisition of Localization Confidence for Accurate Object Detection (200+ stars). <https://github.com/vacancy/PreciseRoIPooling>

COMPETITIONS

1. Gold Medals, ACM International Collegiate Programming Contest (ACM-ICPC) Asia Regional, 2016.11 & 2017.11
2. Gold Medal, "Surpass Cup" Peking University Programming Contest, 2016.5
3. Bronze Medal, National Olympiad in Informatics, 2014.8
4. Champion, Shandong Province Team Selection Contest, 2014.5

HONORS & AWARDS

1. China National Scholarship, Peking University
2. The Scholarship for the Outstanding Talented, Peking University
3. Merit Student, Peking University

LEADERSHIP & ACTIVITIES

1. Assistant Coach of Team PKU at ACM/ICPC World Final 2017, Rapid City, U.S., where we ranked **7** worldwide and won a **silver medal**, the second best record of the university.