

Changqian Yu

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Birthday: 1993/9 | Male

EDUCATION

Huazhong University of Science and Technology <i>Ph.D. Computer Vision School of Artificial Intelligence and Automation</i>	<i>2016.09 - 2021.06</i>
Shandong University <i>B.S. Automation School of Control Science and Engineering</i>	<i>2012.09 - 2016.06</i>

PUBLICATIONS (W/ SUBMISSIONS)

Google Citations: 300+. Github Credits: 1000+.

- Representative Graph Neural Network
Changqian Yu, Yifan Liu, Changxin Gao, Chunhua Shen, Nong Sang
In Submission.
- BiSeNet V2: A Backbone Network for Real-time Semantic Segmentation
Changqian Yu, Jingbo Wang, Gang Yu, Changxin Gao, Chunhua Shen, Nong Sang
In Submission.
- Context Prior for Scene Segmentation
Changqian Yu, Jingbo Wang, Changxin Gao, Gang Yu, Chunhua Shen, Nong Sang
IEEE Conference on Computer Vision and Pattern Recognition (CVPR). 2020
- GTNet: Generative Transfer Network for Zero-Shot Object Detection
Shizhen Zhao, Changxin Gao, Yuanjie Shao, Lerenhan Li, **Changqian Yu**, Zhong Ji, Nong Sang
The Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI). 2020
- An End-to-End Network for Panoptic Segmentation
HuanYu Liu, Chao Peng, **Changqian Yu**, Jingbo Wang, Xu Liu, Gang Yu, Wei Jiang
IEEE Conference on Computer Vision and Pattern Recognition (CVPR). 2019
- BiSeNet: Bilateral Segmentation Network for Real-time Semantic Segmentation
Changqian Yu*, Jingbo Wang*, Chao Peng, Changxin Gao, Gang Yu, Nong Sang
European Conference on Computer Vision (ECCV). 2018
- Learning a discriminative feature network for semantic segmentation
Changqian Yu, Jingbo Wang, Chao Peng, Changxin Gao, Gang Yu, Nong Sang
IEEE Conference on Computer Vision and Pattern Recognition (CVPR). 2018
- Graph-Based Scale-Aware Network for Human Parsing
Beibei Yang, **Changqian Yu**, Jiahui Liu, Changxin Gao, Nong Sang
Chinese Conference on Pattern Recognition and Computer Vision (PRCV). 2019
- Spatially Attentive Correlation Filters for Visual Tracking
Huai Qin, Zhixiong Pi, **Changqian Yu**, Changxin Gao, Jin-gang Yu, Nong Sang
IEEE International Conference on Image Processing (ICIP). 2018
- Center-Level Verification Model for Person Re-identification
Ruochen Zheng, Yang Chen, **Changqian Yu**, Chuchu Han, Changxin Gao, Nong Sang
Chinese Conference on Pattern Recognition and Computer Vision (PRCV). 2018

ACADEMIC COMPETITIONS

- **Winner** of COCO 2018 Challenge in Panoptic Segmentation Track 2018
- **Winner** of Mapillary 2018 Challenge in Panoptic Segmentation Track 2018
- No.5 of Scene Understanding Challenge for Autonomous Navigation in Unstructured Environments
- No.2 of Momenta Lane Detection Challenge

EXPERIENCE

Visual Computing Group, Microsoft Research Asia, Beijing, China	<i>2019.12 - 2020.03</i>
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Research Intern

Mentor: Dr Jingdong Wang, Senior Principal Research Manager, Microsoft Research Asia

**Australian Institute for Machine Learning, University of Adelaide,
Australia**

2019.06 - 2019.09

Visiting Ph.D. Student

Advisor: Prof. Chunhua Shen

Megvii(Face++) Research, Beijing, China

2017.07 - 2019.06

Research Intern

Mentor: Dr Gang Yu, Lead Researcher, Megvii (Face++) Research

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

OPEN-SOURCED PROJECTS

TorchSeg (>1000 stars).

<https://github.com/ycszen/TorchSeg>

HONORS & AWARDS

1. "Hewang" Electric Excellence Scholarship, Huazhong University of Science and Technology, 2019
2. **National Scholarship**, Ministry of Education of P.R. China, 2018
3. Merit Student, Huazhong University of Science and Technology, 2018
4. "Hewang" Electric Excellence Scholarship, Huazhong University of Science and Technology, 2018
5. Graduate Knowledge and Excellence Scholarship, Huazhong University of Science and Technology, 2017
6. Outstanding Student Cadre, Shandong University, 2014
7. Innovative Entrepreneurial Activities Advanced Individuals, Shandong University, 2014
8. Second Class Prize, National University Student Social Practice and Science Contest on Energy Saving & Emission Reduction, 2015
9. First Class Prize, "RoboCup" Open Finals and China Robot Competition, 2014
10. Second Class Prize, National University Student Social Practice and Science Contest on Energy Saving & Emission Reduction, 2014
1. Second Class Prize, National College Students Innovation and Entrepreneurship Training Program, 2014
2. Second Class Prize, Shandong Province College Students "TI Cup" Electronic Design Competition, 2014
3. "Weichai Power" Scholarship, Shandong University, 2013

PROFESSIONAL ACTIVITIES

1. Conference reviewer: CVPR'19, ICCV'19, AAAI'2020, CVPR'2020, ECCV'2020
2. MSRA VCG talk: " Context in Semantic Segmentation", 2019
3. ECCV2018 COCO & Mapillary Joint Workshop talk: " MSCOCO & Mapillary Panoptic Segmentation Challenge 2018", 2018