Yin Cui

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Education

Aug 2014 - Present (Expected May 2019)	*Ph.D. in Computer Science, Cornell University* Advisor: Serge Belongie	*Ithaca / New York, NY*
Aug 2012 - Dec 2013	*M.S. in Electrical Engineering, Columbia University* GPA: 4.0/4.0 Advisor: Shih-Fu Chang	*New York, NY*
Sep 2008 - Jun 2012	*B.S. in Electrical Engineering, Beihang University* GPA: 3.8/4.0	*Beijing, China*

Work Experience

Aug 2018 - Present	*Intern, Facebook Research* ○ Part-time intern at Facebook Computer Vision and Facebook AI Research (FAIR).	*New York, NY*
May 2018 - Aug 2018	*Intern, Google Research* ○ Class-balanced loss for long-tailed data distribution [1].	*Mountain View, CA*
May 2017 - Mar 2018	*Intern, Google Research* ○ Dataset and method for large-scale fine-grained recognition and transfer learning [3, 5].	*Mountain View, CA / New York, NY*
May 2016 - Aug 2016	*Intern, Baidu Research* ○ Kernel pooling for convolutional neural networks [6].	*Sunnyvale, CA / Beijing, China*
May 2015 - Aug 2015	*Intern, NEC Labs America* ○ Fine-grained recognition and dataset bootstrapping [7].	*Cupertino, CA*

Selected Publications

[1] **Yin Cui**, Menglin Jia, Tsung-Yi Lin, Yang Song, and Serge Belongie. "Class-Balanced Loss Based on Effective Number of Samples". *arXiv preprint arXiv:1901.05555* (2019).

[2] Guandao Yang, **Yin Cui**, Serge Belongie, and Bharath Hariharan. "Learning Single-View 3D Reconstruction with Limited Pose Supervision". In: ***ECCV***. 2018.

[3] **Yin Cui**, Yang Song, Chen Sun, Andrew Howard, and Serge Belongie. "Large Scale Fine-Grained Categorization and Domain-Specific Transfer Learning". In: ***CVPR***. 2018.

[4] **Yin Cui**, Guandao Yang, Andreas Veit, Xun Huang, and Serge Belongie. "Learning to Evaluate Image Captioning". In: ***CVPR***. 2018.

[5] Grant Van Horn, Oisin Mac Aodha, Yang Song, **Yin Cui**, Chen Sun, Alex Shepard, Hartwig Adam, Pietro Perona, and Serge Belongie. "The iNaturalist Species Classification and Detection Dataset". In: ***CVPR***. 2018.

[6] **Yin Cui**, Feng Zhou, Jiang Wang, Xiao Liu, Yuanqing Lin, and Serge Belongie. "Kernel Pooling for Convolutional Neural Networks". In: ***CVPR***. 2017.

[7] **Yin Cui**, Feng Zhou, Yuanqing Lin, and Serge Belongie. "Fine-grained Categorization and Dataset Bootstrapping using Deep Metric Learning with Humans in the Loop". In: ***CVPR***. 2016.

[8] Tsung-Yi Lin, **Yin Cui**, Serge Belongie, and James Hays. "Learning Deep Representations for Ground-to-Aerial Geolocalization". In: ***CVPR***. 2015.

Full list of publications available here.

Selected Honors

Sep 2014	*McMullen Fellowship*	*Cornell University*
	○ A one-year fellowship for Computer Science Ph.D. student at Cornell University.	
May 2014	*Edwin Howard Armstrong Memorial Award*	*Columbia University*
	○ Awarded annually to one outstanding M.S. candidate to honor the late Edwin Howard Armstrong. It is the highest recognition awarded by the Electrical Engineering department at Columbia University to a M.S. candidate.	
Oct 2013	*Special Scholarship*	*Wei Family Private Foundation*
	○ Awarded to 10 graduate students (Master's and PhD candidates) of Chinese heritage with academic excellence and research potential in Electrical Engineering at Columbia University.	
Oct 2010	*National Scholarship*	*Ministry of Education of China*
	○ Given by the Ministry of Education in China to top 2% students in a university.	

Professional Activities

Co-organizer	*ImageNet and COCO Visual Recognition Workshop*	*ICCV 2015, ECCV 2016*
	Joint Workshop of the COCO and Places Challenges	*ICCV 2017*
	Joint COCO and Mapilary Recognition Challenge Workshop	*ECCV 2018*
	Workshop on Fine-Grained Visual Categorization	*CVPR 2017, 2018, 2019*
	Large-scale Scene Understanding Workshop (COCO Captioning)	*CVPR 2015*
Member	*Common Visual Data Foundation (CVDF)*	*2016 - Present*
Reviewer	CVPR (2015, 2016, 2017, 2018, 2019); ECCV (2016, 2018); ICCV (2017); NeurIPS (2018); ICML (2019)	

Teaching Experience

Cornell University	Applied Machine Learning (Fall 2015, Fall 2016, Spring 2017)
Columbia University	Digital Signal Processing (Fall 2013); Digital Image Processing (Spring 2013)

Skills

Programming	Python, MATLAB, Java, C/C++
Framework	Tensorflow, PyTorch, Caffe

Last Updated: Jan 2019