

Education

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

Work Experience

Aug 2018 - Present	<i>Intern, Facebook Research</i> ○ Part-time intern at Facebook Computer Vision and Facebook AI Research (FAIR).	New York, NY
May 2018 - Aug 2018	<i>Intern, Google Research</i> ○ Class-balanced loss for long-tailed data distribution [1].	Mountain View, CA
May 2017 - Mar 2018	<i>Intern, Google Research</i> ○ Dataset and method for large-scale fine-grained recognition and transfer learning [3, 5].	Mountain View, CA / New York, NY
May 2016 - Aug 2016	<i>Intern, Baidu Research</i> ○ Kernel pooling for convolutional neural networks [6].	Sunnyvale, CA / Beijing, China
May 2015 - Aug 2015	<i>Intern, NEC Labs America</i> ○ 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, Oisín 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 Mapillary 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, 2019);
NeurIPS (2018, 2019); 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