Yin Cui

Curriculum Vitae

Ph.D. student in Department of Computer Science
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Education

2014 - Now	**Ph.D.** in Computer Science, **Cornell University**	*Ithaca / New York City, NY*
	Advisor: Prof. Serge Belongie	
2012-2014	**M.S.** in Electrical Engineering, **Columbia University**	*New York City, NY*
	Overall GPA: 4.0/4.0 Advisor: Prof. Shih-Fu Chang	
2008-2012	**B.S.** in Electrical Engineering, **Beihang University**	*Beijing, China*
	Overall GPA: 3.76/4.0 *Major GPA: 3.83/4.0* Advisor: Prof. Yu-Jin Zhang	

Employments

Summer 2017	*Summer Research Intern, Google*	*Mountain View, CA*
Summer 2016	*Summer Research Intern, IDL, Baidu Research*	*Sunnyvale, CA*
Summer 2015	*Summer Research Intern, Media Analytics, NEC Labs America*	*Cupertino, CA*
Summer 2014	*Research Assistant, Brown University*	*Providence, RI*
2013–2014	*Research Assistant, DVMM Lab, Columbia University*	*New York City, NY*

Honors and Awards

Sep. 2014	**McMullen Fellowship**	*Cornell University*
	○ A one-year fellowship for an incoming 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 EE department in Columbia University to a M.S. student.	
Oct. 2013	**Wei Family Private Foundation 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.	

Publications

[1] Cheng-Kang Hsieh, Longqi Yang, **Yin Cui**, Tsung-Yi Lin, Serge Belongie, and Deborah Estrin. "Collaborative Metric Learning". In: *International Conference on World Wide Web (WWW)*. 2017.

[2] **Yin Cui**, Feng Zhou, Jiang Wang, Xiao Liu, Yuanqing Lin, and Serge Belongie. "Kernel Pooling for Convolutional Neural Networks". In: *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. 2017.

[3] **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: *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. 2016.

[4]   Tsung-Yi Lin, **Yin Cui**, Serge Belongie, and James Hays. "Learning Deep Representations for Bird's Eye-to-Street View Geolocalization". In: *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*. 2015.

[5]   Longqi Yang, **Yin Cui**, Fan Zhang, John P Pollak, Serge Belongie, and Deborah Estrin. "PlateClick: Bootstrapping Food Preferences Through an Adaptive Visual Interface". In: *Proceedings of the 24th ACM International on Conference on Information and Knowledge Management (CIKM)*. 2015.

[6]   Tao Chen, Felix X. Yu, Jiawei Chen, **Yin Cui**, Yan-Ying Chen, and Shih-Fu Chang. "Object-Based Visual Sentiment Concept Analysis and Application". In: *ACM International Conference on Multimedia (MM)*. 2014.

[7]   Jiawei Chen*, **Yin Cui***, Guangnan Ye, Dong Liu, and Shih-Fu Chang. "Event-Driven Semantic Concept Discovery by Exploiting Weakly Tagged Internet Images". In: *ACM International Conference on Multimedia Retrieval (ICMR)*. 2014 (* equal contributions).

[8]   **Yin Cui**, Dong Liu, Jiawei Chen, and Shih-Fu Chang. "Building A Large Concept Bank for Representing Events in Video". In: *arXiv preprint arXiv:1403.7591*. 2014.

[9]   **Yin Cui**, Yongzhou Xiang, Kun Rong, Rogerio Feris, and Liangliang Cao. "A Spatial-Color Layout Feature for Content-based Galaxy Image Retrieval". In: *IEEE Winter Conference on Applications of Computer Vision (WACV)*. 2014.

Teaching

Teaching Assistant
Cornell: CS 5785 Applied Machine Learning Fall 2015, Fall 2016, Spring 2017

Columbia: E4810 Digital Signal Processing Fall 2013; E4830 Digital Image Processing Spring 2013

Professional Activities

Program Committee
ACM Multimedia 2014 Geotagging Workshop

Co-organizer
ImageNet and MS COCO Visual Recognition Challenges ICCV 2015, ECCV 2016, ICCV 2017

Workshop on Fine-Grained Visual Categorization CVPR 2017

Large-scale Scene Understanding Challenge (MS COCO Captioning Challenge) CVPR 2015

Reviewer
CVPR 2015, 2016, 2017; ECCV 2016; ICCV 2017

Skills

Programming Languages
Python, MATLAB, Java, C/C++

Others
PyTorch, Tensorflow, Caffe, Torch, GraphLab, iOS Development, LaTeX

Languages

Chinese (Native), English (TOEFL iBT: 106)

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