

Xinlei Chen

CONTACT INFORMATION	Language Technologies Institute School of Computer Science Carnegie Mellon University	Office: +1-412-268-5578 E-mail: enderchen@cs.cmu.edu WWW: www.cs.cmu.edu/~xinleic
RESEARCH INTERESTS	My research focuses on the intersection of computer vision and natural language processing and I am particularly interested in large-scale, data-driven algorithms for life-long learning.	
EDUCATION BACKGROUND	Carnegie Mellon University , Pittsburgh, PA Ph.D. Candidate, School of Computer Science, August 2012–present <ul style="list-style-type: none">• Affiliation: Language Technologies Institute• Advisor: Abhinav Gupta• GPA: 4.04/4.0 Zhejiang University , Zhejiang, China B.Eng., College of Computer Science and Technology, August 2008–June 2012 <ul style="list-style-type: none">• Advisor: Deng Cai• Thesis: <i>Incorporating Spatial Correlations into Learning Algorithms for Visual Analysis</i> (Top 100 thesis award)• Honored Minor: Advanced honors Class of Engineering Education (ACEE)• GPA: 93/100 (3.98/4.0), Rank: 1/166 University of California, Los Angeles , Los Angeles, CA Cross-disciplinary Scholar, Computer Science Department, July 2011–September 2011 <ul style="list-style-type: none">• Advisor: Jennifer Wortman Vaughan• Project: <i>Question and Answering with Topic Models</i>• GPA: 4.0/4.0	
WORK EXPERIENCE	Google Research , Cambridge, MA Research Assistant, Cambridge Vision Group, January 2017–present <ul style="list-style-type: none">• Mentor: Ce Liu• Project: <i>Motion Estimation with ConvNets</i> Google Research , Cambridge, MA Software Engineering Intern, Cambridge Vision Group, June 2016–August 2016 <ul style="list-style-type: none">• Mentor: William T. Freeman• Project: <i>Motion Estimation with ConvNets</i> Microsoft Research , Redmond, WA Research Intern, Interactive Visual Media Group, March 2014–June 2014 <ul style="list-style-type: none">• Mentor: C. Lawrence Zitnick• Project: <i>Joint Modeling for Language and Image Understanding</i>	

- [1] Gunnar A. Sigurdsson, **Xinlei Chen**, Abhinav Gupta. *Learning Visual Storylines with Skipping Recurrent Neural Networks*. The 14th European Conference on Computer Vision (ECCV), Amsterdam, NetherLands, October 8–16, 2016.
- [2] Jiwei Li, **Xinlei Chen**, Eduard Hovy, Dan Jurafsky. *Visualizing and Understanding Neural Models in NLP*. Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), San Diego, CA, June 12–17, 2016.
- [3] **Xinlei Chen**, Abhinav Gupta. *Webly Supervised Learning of Convolutional Networks*. The 15th International Conference on Computer Vision (ICCV), Santiago, Chile, December 11–18, 2015. (**Oral Presentation**) (3.3% oral acceptance rate)
- [4] **Xinlei Chen**, C. Lawrence Zitnick. *Mind’s Eye: A Recurrent Visual Representation for Image Caption Generation*. The 28th IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Boston, MA, June 7–12, 2015.
- [5] **Xinlei Chen**, Alan Ritter, Abhinav Gupta, Tom Mitchell. *Sense Discovery via Co-Clustering on Images and Text*. The 28th IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Boston, MA, June 7–12, 2015.
- [6] Tom M. Mitchell, William Cohen, Estevam Hruschka, Partha Talukdar, Justin Betteridge, Andrew Carlson, Bhavana Dalvi, Matt Gardner, Bryan Kisiel, Jayant Krishnamurthy, Ni Lao, Kathryn Mazaitis, Thahir Mohamed, Ndapa Nakashole, Emmanouil Platanios, Alan Ritter, Mehdi Samadi, Burr Settles, Richard Wang, Derry Wijaya, Abhinav Gupta, **Xinlei Chen**, Abulhair Saparov, Malcom Greaves, Joel Welling. *Never-Ending Learning*. The 29th AAAI Conference on Artificial Intelligence (AAAI), Austin, TX, January 25–30, 2015.
- [7] Elissa M. Aminoff, Mariya Toneva, Abhinav Shrivastava, **Xinlei Chen**, Ishan Misra, Abhinav Gupta, Michael Tarr. *Applying Artificial Vision Models to Human Scene Understanding*. Frontiers in Computational Neuroscience, 2015.
- [8] **Xinlei Chen**, Abhinav Shrivastava, Abhinav Gupta. *Object Discovery and Segmentation via Discriminative Visual Subcategories*. The 27th IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Columbus, Ohio, June 24–27, 2014.
- [9] **Xinlei Chen**, Abhinav Shrivastava, Abhinav Gupta. *NEIL: Extracting Visual Knowledge from Web Data*. The 14th International Conference on Computer Vision (ICCV), Sydney, Australia, December 3–6, 2013. (**Oral Presentation**) (2.52% oral acceptance rate)
- [10] Jiajun Lv, **Xinlei Chen**, Jin Huang, Hujun Bao. *Semi-supervised Mesh Segmentation and Labeling*. The 20th Pacific Conference on Computer Graphics and Applications (PG), Hong Kong, China, September 12–14, 2012.
- [11] **Xinlei Chen**, Zifei Tong, Haifeng Liu, Deng Cai. *Metric Learning with Two-Dimensional Smoothness for Visual Analysis*. The 25th IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Providence, Rhode Island, June 16–21, 2012.
- [12] Xinquan Qu, **Xinlei Chen**. *Sparse Structured Probabilistic Projections for Factorized Latent Space*. The 20th ACM Conference on Information and Knowledge Management (CIKM), Glasgow, UK, October 24–28, 2011
- [13] **Xinlei Chen**, Deng Cai. *Large Scale Spectral Clustering with Landmark-based Representation*. The 26th AAAI Conference on Artificial Intelligence (AAAI), San Francisco, CA, August 7–11, 2011.

PROFESSIONAL
SERVICE

Journal

- Reviewer: Neurocomputing, Computer Vision and Image Understanding (CVIU), Frontiers in Robotics and AI, Journal of the Optical Society of America A (JOSA-A).

Conference

- Program Committee or Equivalent: CVPR (2012,2014,2015,2016), ICCV (2011,2015), ECCV (2014,2016), SIGKDD (2011), IJCAI (2013,2015), ACCV (2014,2016), ICVGIP (2014, 2016).
- Volunteer: SIGKDD 2011, AAAI 2011.

Teaching

- Teaching Assistant: Learning Based Methods in Vision (CMU 16-824), Spring 2015.
- Teaching Assistant: Computer Vision (CMU 16-720), Fall 2013.

HONORS AND
AWARDS

Scholarships & Honors

- Facebook PhD Fellowship Finalist, Jan 2016
- Microsoft PhD Fellowship Finalist, Feb 2015
- Yahoo InMind Fellowship, September 2014–August 2015
- Top 10 Ideas of the Year by CNN, 2013
- Top 10 University Students in China, Runner Up, 2012
- Top 10 Students in Zhejiang University, 2011
- CHU Kochen Scholarship¹, 2011
- AAAI Student Scholarship, 2011
- Nandu Scholarship for International Exchanges, 2011
- National Scholarship in China (2%), 2009, 2010, 2011

Awards & Prizes

- Meritorious Winner, The Interdisciplinary Contest in Modeling (ICM), 2012
- World 2nd Runner Up, Asia Regional Winner & Prize of Best New Application Area, International Genetically Engineered Machine Competition (iGEM), 2011
- 1st Prize, China Undergraduate Mathematical Contest in Modeling (CUMCM), 2010

¹Highest distinction in Zhejiang University