

Tsung-Yi Lin

<http://vision.cornell.edu/se3/people/tsung-yi-lin>
tl483@cornell.edu • (858)999-4567 • 111 8th Ave, New York City, NY

EDUCATION	Cornell University, NY Ph.D. Student , Electrical and Computer Engineering	2014–present
	University of California, San Diego, CA M.S. , Electrical and Computer Engineering	2011–2014
	National Taiwan University, Taipei, Taiwan B.S. , Electrical Engineering	2005–2009

- PUBLICATIONS**
- [1] C-K Hsieh, L. Yang, Y. Cui, **TY Lin**, S. Belongie, D. Estrin, Collaborative Metric Learning, WWW, 2017.
 - [2] **TY Lin**, P. Dollár, R. Girshick, K. He, B. Hariharan, S. Belongie, Feature Pyramid Networks for Object Detection, CVPR, 2017.
 - [3] P. O. Pinheiro*, **TY Lin***, R. Collobert, P. Dollár, Learning to Refine Object Segments, *ECCV*, 2016. (spotlight)
 - [4] S. Zagoruyko, A. Lerer, **TY Lin**, P. O Pinheiro, S. Gross, S. Chintala, P. Dollár, A Multipath Network For Object Detection, *BMVC*, 2016.
 - [5] **TY Lin**, Y. Cui, S. Belongie, J. Hays, Learning Deep Representations for Ground-to-Aerial Geolocalization, *CVPR*, 2015. (oral)
 - [6] X. Chen, H. Fang, **TY Lin**, R. Vedantam, S. Gupta, P. Dollár, C.L. Zitnick, Microsoft COCO Captions: Data Collection and Evaluation Server, arXiv, 2015.
 - [7] **TY Lin**, M. Maire, S. Belongie, J. Hays, P. Perona, D. Ramanan, P. Dollár, C. L. Zitnick, Microsoft COCO: Common Object In Context, *ECCV*, 2014. (oral)
 - [8] **TY Lin**, S. Belongie, J. Hays, Cross-view Image Geolocalization, CVPR, 2013.
 - [9] **TY Lin**, Y.-Y. Lin, M.-F. Weng, Y.-C. F. Wang, Y.-F. Hsu, and H.-Y. M. Liao, Cross Camera People Counting with Perspective Estimation and Occlusion Handling, IEEE International Workshop on Information Forensics and Security (WIFS), 2011.
 - [10] N. C. Tang, C.-T. Hsu, **TY Lin**, H.-Y. M. Liao, Example-based Human Motion Extrapolation Based on Manifold Learning, ACM Multimedia (ACM MM), 2011
 - [11] W.-F. Lee, **TY Lin**, M.-L. Chu, T.-H. Huang, H. H. Chen, Perception-Based High Dynamic Range Compression in Gradient Domain, IEEE International Conference on Image Processing (ICIP), 2009

EXPERIENCE	<i>Secretary and Board Member</i> Common Visual Data Foundation	2016–present
	<ul style="list-style-type: none">• Manage logistics for Common Visual Data Foundation (CVDF).• CVDF is a non-profit organization founded in 2016, with a mission to enable open community-driven research in computer vision through the creation of academic datasets and corresponding competitions.• http://www.cvdffoundation.org/	

Research Assistant Spring 2014–present
Cornell University, New York, NY

- Advisor: Prof. Serge Belongie
- Design computer vision algorithms using Deep Learning for object detection and image-based geolocalization.

Research Intern June 2015–March 2017
Facebook AI Research, Menlo Park, CA

- Advisor: Dr. Piotr Dollár
- Develop Convolutional Neural Networks to learn better representations for fast and accurate object detection and instance segmentation.

Visiting Student Summer 2012,2014
Brown University, Providence, RI

- Advisor: Prof. James Hays
- Developed a cross-view image matching algorithm with Siamese Network to learn a ground-to-aerial image matching for recognizing photo locations.

Research Intern Summer 2013
Microsoft Research, Redmond, WA

- Advisor: Dr. Piotr Dollár and Dr. Larry Zitnick
- Created Common Object in Context (COCO) dataset by large scale crowd sourcing for image captioning, object detection, instance segmentation, and person keypoints localization.

PROFESSIONAL ACTIVITIES *Reviewer:* Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
Computer Vision and Pattern Recognition (CVPR)
Asian Conference on Computer Vision (ACCV)

SAMINARS “Learning Deep Representations for Ground-to-Aerial Geolocalization,” CVPR June 2015
“Microsoft COCO: Common Object In Context,” ECCV September 2014; NYC Computer Vision Meetup, November 2014

PROFESSIONAL SKILLS *Programming Languages:* Python, Lua, Javascript, C/C++
Programming Library: Caffe2, Torch, OpenCV, Django, JQuery

HONORS AND AWARDS

- SIP/ISRC Fellowship, Dept. ECE, UCSD Fall 2012
- Studying abroad scholarship, government of Taiwan Spring 2012-Fall 2013
- 1st prize, Outstanding research project, Dept. EE, NTU Spring 2009