

Tsung-Yu Lin

College of Information and Computer Sciences
University of Massachusetts Amherst
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EDUCATION *PhD in Computer Science* College of Information and Computer Science
University of Massachusetts Amherst Aug. 2014 ~ present

Master in Computer Science Department of Computer Science
National Tsing Hua University, Hsinchu, Taiwan Sep. 2008 ~ Jun. 2010
Thesis: Combining Shape Prior with Non-Rigid SfM for Recovering Specific 3D Deformable Surface

Bachelor of Science, Department of Computer Science
National Tsing Hua University, Hsinchu, Taiwan Sep. 2006 ~ Jun. 2008
Major: Computer Science
Minor: Mathematics

WORKING EXPERIENCE *Graduate Research Assistant* Aug. 2014 ~ present
College of Information and Computer Science, University of Massachusetts Amherst
Supervisor: Prof. Subhansu Maji

Intern June 2017 ~ Nov 2017
Amazon AWS Deep Learning
Supervisor: Prof. R. Manmatha and Prof. Deva. Ramanam

Research Assistant Oct. 2011 ~ May. 2014
Institute of Information Science, Academia Sinica, Taiwan
Supervisor: Dr. Tyng-Luh Liu

Political Warfare Officer Mar. 2011 ~ Sep. 2011
Second Lieutenant, mandatory military service at ROC Army.

Intern Jul. 2011 ~ Aug. 2011
Advanced Technology Development Div., MediaTek Incorporation
• Project on developing augmenting reality system

Graduate Research Assistant Sep. 2008 ~ Jun. 2010
Computer Science Department, National Tsing Hua University, Taiwan
Supervisor: Prof. Shang-Hong Lai

TEACHING EXPERIENCE *Teaching Assistant* CMPSCI 670 Computer Vision
College of Information and Computer Sciences, UMass Amherst 2016 Fall
Teaching Assistant CS 3332 Probability and Statistics
Department of Computer Science, National Tsing Hua University 2009 Fall

HONORS

Nominated as outstanding reviewers
Student Travel Grant to ICCV
The Robin Popplestone Memorial Fellowship

CVPR 2018
UMass Amherst 2015
UMass Amherst 2014

PUBLICATIONS *Journal*

1. **Bilinear Convolutional Neural Networks for Fine-grained Visual Recognition**
Tsung-Yu Lin, Aruni RoyChowdhury, and Subhransu Maji
PAMI 2017

Conference

1. **Second-order Democratic Aggregation**
Tsung-Yu Lin, and Subhransu Maji
ECCV 2018, Munich, Germany
2. **Improved Bilinear Pooling with CNNs**
Tsung-Yu Lin, and Subhransu Maji
BMVC 2017, London, United Kindom (oral presentation)
3. **Visualizing and Understanding Deep Texture Representations**
Tsung-Yu Lin, and Subhransu Maji
CVPR 2016, Las Vegas, Nevada
4. **One-to-many Face Recognition with Bilinear CNNs**
Aruni RoyChowdhury, Tsung-Yu Lin, Subhransu Maji, and Erik Learned-Miller
WACV 2016, Lake Placid, New York
5. **Bilinear CNN Models for Fine-grained Visual Recognition**
Tsung-Yu Lin, Aruni RoyChowdhury, and Subhransu Maji
ICCV 2015, Santiago, Chile (oral presentation)
6. **Efficient Binary Codes for Extremely High-dimensional Data**
Tsung-Yu Lin and Tyng-Luh Liu
ICIP 2014, Paris, France
7. **People Localization in A Camera Network Combining Background Subtraction and Scene-aware Human Detection**
Tung-Ying Lee, Tsung-Yu Lin, Szu-Hao Huang, Shang-Hong Lai, and Shang-Chih Hung
MMM 2011, Taipei, Taiwan

Technical reports and preprints (non peer-reviewed)

1. **Implicit Sparse Code Hashing**
Tsung-Yu Lin, Tsung-Wei Ke and Tyng-Luh Liu
arXiv:1512.00130, 2015

PROFESSIONAL *Conference and Journal Reviewing* SERVICE

- Computer Vision and Pattern Recognition (CVPR 2018)
- International Conference on Computer Vision (ICCV 2017)
- IEEE Transactions on Pattern Analysis and Machine Intelligence