Jong-Chyi Su

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Research Interests

Computer Vision, Machine Learning, Image Recognition

Education

Ph.D. Student, Computer Science, University of Massachusetts, Amherst	Sep. 2015 - Present
M.S., Computer Science, University of California, San Diego	Sep. 2013 - Jun. 2015
B.S., Electrical Engineering, National Taiwan University	Sep. 2008 - Jun. 2012

Publications

[1] **Reasoning about Fine-grained Attribute Phrases using Reference Games**
Jong-Chyi Su*, Chenyun Wu*, Huaizu Jiang, Subhransu Maji
International Conference on Computer Vision (ICCV), 2017

[2] **Adapting Models to Signal Degradation using Distillation**
Jong-Chyi Su, Subhransu Maji
British Machine Vision Conference (BMVC), 2017

[3] **Depth Estimation and Specular Removal for Glossy Surfaces Using Point and Line Consistency with Light-Field Cameras**
Michael Tao, **Jong-Chyi Su**, Ting-Chun Wang, Jitendra Malik, and Ravi Ramamoorthi
IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), Volume 38 Issue 6, June 2016.

Work Experience

Research Assistant, UMass-Amherst   Sep. 2015 - Present
- Working with Prof. Subhransu Maji on various computer vision projects, including fine-grained recognition, domain adaptation, and few-shot learning problems using deep learning.

Applied Scientist Intern, AWS Deep Learning Team, Palo Alto, CA   Jun. 2017 - Aug. 2017
- Worked on a project of image translation task using generative adversarial networks and nearest neighbor search.

Research Assistant, UCSD   Jul. 2014 - Dec. 2014
- Worked with Prof. Ravi Ramamoorthi on depth estimation for glossy surfaces with light-field cameras.

Research Assistant, Rady School of Management, UCSD   Mar. 2014 - Apr. 2014
- Worked with Prof. Hyoduk Shin on an optimization problem about the pricing strategy for supply chain.

System Engineer Intern, Synaptics, Inc., Taipei, Taiwan   Jul. 2011 - Aug. 2011
- Designed algorithms to improve the performance of touch panel on mobile phones in noisy environment.

Teaching Experience

Teaching Assistant, UCSD
- CSE 250B, Machine Learning   Winter 2015
- CSE 150, Introduction to Artificial Intelligence   Summer 2014
- CSE 140, Components and Design Techniques for Digital Systems   Spring 2014, Spring 2015

Skills and Languages

Programming Languages: Python, Tensorflow, Mxnet, Pytorch, Matlab, Matconvnet, C/C++.
Languages: Proficient in Chinese and English.