Hieu Le

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Education

Ph.D in Computer Science, Stony Brook University **Current GPA: 3.83/4** F2014 - Present

Adviser: Prof. Dimitris Samaras
Research interest: Computer Vision and Machine Learning.
Coursework: Computer Vision, Computer Graphics, Artificial Intelligent, Discrete Math, Logic in Computer Science,Machine Learning, Advanced topics in Computer Vision.

B.S in Computer Science, Vietnam National University - HCMUS **GPA: 8.64/10** F2008 - S2012

Research Experience

Stony Brook University, Computer Vision Lab, Prof. Dimitris Samaras. F2014-Present
Stony Brook University, Eye Cognitive Lab, Prof. Gregory Zelinsky. F2016-Present
Stony Brook University, School of Medicine, Prof. Helene D. Benveniste. Summer 2015
HCMUS - Vietnam , Computer Vision Lab, Prof. Son Tran. F2012-F2014
POSTECH - South Korea , Machine Learning Lab, Prof. Seungjin Choi. Summer 2012

Academic Project

Deep Feature Selection for Object Localization 2017 - Now
Propose and implement a novel method for object localization.

Geodesic Distance Histogram for Video Segmentation 2016
Propose and implement a novel feature for video segmentation.

Depixelizing Pixel Art 2015
Implement SIGGRAPH 2012 paper: "Depixelizing Pixel Art".

3D Registration for fluid tracking 2015
Apply registration techniques on fMRI time series to analyze the fluid transition inside the brain.

Two-stream Deep Network for Action Recognition from Shape and Silhouette 2014
Propose and implement a two-stream deep network model for action recognition from video.

Multiple Classifier Fusion for Handwritten Digit Recognition 2013
Propose and implement a cascaded neural network model to recognize occluded handwritten digit images.

Honors & Awards

Vietnam Education Foundation Fellowship 2014
Vietnam National Foundation for Science and Technology Development Sponsorship. 2013
POSTECH - Exchange Student scholarship 2012
Vietnam - Silver medal in the National Informatics Olympic 2007

Publications

1. **Le, H.**, Yu, C.-P., Zelinsky, G., & Samaras, D. (2016). Co-localization with category consistent CNN features and geodesic distance co-propagation. - arXiv preprint arXiv:1612.03236 - 2016
2. **Le, H.**, Nguyen, V., Yu, C.-P., & Samaras, D. (2016). Geodesic distance histogram feature for video segmentation. In Asian Conference on Computer Vision (ACCV), Taipei, Taiwan. - 2016
3. Yu, C.-P., **Le, H.**, Zelinsky, G., & Samaras, D. (2015). Efficient video segmentation using parametric graph partitioning. In International Conference on Computer Vision (ICCV), Santiago, Chile. - 2015
4. **Le, H.**, Duong,A. & Tran, S.: Multiple-Classier Fusion Using Spatial Features for Partially Occluded Handwritten Digit Recognition. ICIAR 2013: 124-132. - 2013

Teaching Experience - TA

Discrete Math (Graduate level)	S2017
Computer Graphics (Graduate level)	F2016
Data Structures	F2016

Skills

- Languages: C++, Matlab, Python, Lua.
- Frameworks: OpenCV, Torch7, Matconvnet.
- Systems: Linux, OSX