

Hieu Le - Ph.D. Candidate Stony Brook University
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Education

2014-Now: Ph.D. in Computer Science; Stony Brook University, New York, USA (*GPA: 3.88/4.0*)
2008-2012: BSc. (Honors); University of Science, Ho Chi Minh City, Vietnam (*GPA: 8.64/10*)

Research Interests

Computer Vision, Machine Learning, Deep Learning.

Publications

1. **Hieu Le** & Dimitris Samaras; *From Shadow Segmentation to Shadow Removal*; **ECCV 2020**.
2. **Hieu Le** & Dimitris Samaras; *Shadow Removal via Shadow Image Decomposition*; **ICCV 2019**. [Project Page](#).
3. **Hieu Le**, Tomas F.Y. Vicente, Vu Nguyen, Minh-Hoai Nguyen, Dimitris Samaras; *A+D Net: Training a Shadow Detector with Adversarial Shadow Attenuation*; **ECCV 2018**. [Demo](#).
4. **Hieu Le**, Vu Nguyen, Chen-Ping Yu, Dimitris Samaras; *Geodesic Distance Histogram Feature for Video Segmentation*; **ACCV 2016**.
5. **Hieu Le**, Bento Gonçalves, Dimitris Samaras, Heather J. Lynch; *Weakly Labeling the Antarctic: The Penguin Colony Case*; **CVPR - CV4GC 2019**. [Live Demo](#).
6. **Hieu Le**, Chen-Ping Yu, Zelinsky, G., Dimitris Samaras; *Co-localization with category consistent CNN features and geodesic distance propagation*; **ICCV - W 2017**.
7. **Hieu Le**, An T. D., Son T. T.; *Multiple-Classifer Fusion Using Spatial Features for Partially Occluded Handwritten Digit Recognition*; **ICIAR 2013**.
8. **Hieu Le**, Chen-Ping Yu, Dimitris Samaras, Zelinsky, G.J.; *Object detection and localization for free from category-consistent CNN features*; **Journal of Vision 2017**.
9. Alex Borowicz, **Hieu Le**, Grant Humphries, Georg Nehls, Caroline Höschle, Vladislav Kosarev, Heather J. Lynch; *Aerial-trained deep learning networks for surveying cetaceans from satellite imagery*; **PLOS ONE 2019**.
10. Viresh Ranjan, **Hieu Le**, Minh-Hoai Nguyen; *Iterative Crowd Counting*; **ECCV 2018**.
11. Chen-Ping Yu, **Hieu Le**, Zelinsky, G., Dimitris Samaras; *Efficient Video Segmentation using Parametric Graph Partitioning*; **ICCV 2015**.
12. **Hieu Le**, Heather J. Lynch, Dimitris Samaras; *A convolutional neural network architecture designed for the automated survey of seabird colonies*; *Under Review*. 2020

Research Experience

[6/2020 – Now] Applied Scientist Intern, Amazon Robotics, Boston
[6/2019 – 9/2019] Visiting Researcher, Ecole Centrale de Lyon, France
[5/2017 – 9/2017] Research Intern, AIG Science, New York
[6/2012 – 8/2012] Research Intern, POSTECH, Korea

Technical Skills: Python, Pytorch, Linux, MATLAB, C/C++, LATEX.

Teaching & Professional Activities

- **Teaching Assistant:** Discrete Math, Computer Graphics, Data Structures.
- **Reviewer:** ECCV 2020; CVPR (2018,2019, 2020); ICCV 2019; AAAI 2020.

Awards

2019 Microsoft AI for Earth Travel Grant for attending AI4Earth Summit - Seattle.
2014 Vietnam Education Foundation Fellowship.
2014 Vietnam NAFOTES Sponsorship for outstanding science projects.
2007 Silver Medal - Vietnam National Olympiad in Informatics

References

Professor *Dimitris Samaras*; SUNY Empire Innovation Professor; Department of Computer Science – Stony Brook University; Tel.: (631) 632-8464; Email: samaras@cs.sunysb.edu
Professor *Heather J. Lynch*; Associate Professor; Department of Ecology & Evolution – Stony Brook University; Tel.: (631) 632-9508; Email: heather.lynch@stonybrook.edu