

Dat Huynh

huynh.dat@northeastern.edu • hbdatt.github.io • +1 617-417-0191

EDUCATION	Northeastern University , Boston, Massachusetts, USA	Aug 2017 – Aug 2022 (expected)
	▪ Ph.D. in Computer Science: 3.97 / 4.00	
	University of Science , Ho Chi Minh, Vietnam	Sep 2012 – Nov 2016
	▪ B.S. in Computer Science: 3.95 / 4.00	
	Nanyang Technological University , Singapore	Aug 2014 – Dec 2014
	▪ Awarded Temasek Foundation Exchanged Scholarship: 5.00 / 5.00	
EXPERIENCE	Research Assistant , MCADS Lab, Northeastern University, USA	Aug 2017 – Present
	▪ Supervisor: Prof. Ehsan Elhamifar	
	• Generated fine-grained features for unseen classes to improve unseen clothing recognition by 4% harmonic mean compared to the SOTA on DeepFashion dataset (first author - accepted at NeurIPS20)	
	• Recognized 7000 seen labels and 400 unseen labels in Open Images by sharing attention signals among labels (first author - accepted at CVPR20, Oral)	
	• Improved the SOTA performances on CUB, AWA2 by at least 4% harmonic mean by weakly localizing fine-grained attributes of all classes (first author - accepted at CVPR20)	
	• Applied self-supervised learning on CrossTask and ProceL datasets to recognize key-frames in videos without human supervision (accepted at ECCV20)	
	Data Engineer , VNG Corporation, Vietnam	Feb 2017 – Aug 2017
	▪ Applied machine learning techniques on textual and visual data to detect malicious users	
	Research Assistant , iSpace Lab, Simon Fraser University, Canada	May 2015 – Aug 2015
	▪ Supervisor: Prof. Bernhard Riecke – Project: Gamified Research	
	• Developed a novel navigation interface using sensors to map hand gestures into moving directions	
SKILLS	Programming Languages	
	▪ Python: (Proficient) , C/C++, Java, Javascript, MATLAB: (Prior Experience)	
	Frameworks	
	▪ Tensorflow, PyTorch, Scikit-Learn, Numpy: (Proficient) , OpenCV: (Prior Experience)	
	Software Development	
	▪ Design and Execute research projects under time and computational constraints	
	▪ Document and Release 4 research projects: https://github.com/hbdatt	
	▪ Version Control (Git)	
	System	
	▪ Bash scripting for task automation, File systems in Linux, Basic network protocols	
AWARDS & SCHOLARSHIPS	▪ Graduate Fellowship	2017
	Khoury College of Computer Sciences, Northeastern University, USA	
	▪ 2nd Rank Graduation with High Distinction	2016
	Advanced Program in Computer Science, University of Science, Vietnam	
	▪ Representative at Ecosperity conference and Young Leaders Dialogue	Sep 2015
	Among 140 internationally selected participants in a one-week forum with world leaders, Singapore	
	▪ Temasek Foundation Exchanged Scholarship	Aug 2014 – Dec 2014
	One semester study at Nanyang Technological University, Singapore	