

# Dat Huynh

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

EDUCATION	<b>Northeastern University</b> , Boston, Massachusetts, USA	Aug 2017 – Present
	▪ Ph.D. in Computer Science: 3.97 / 4.00	
	<b>University of Science</b> , Ho Chi Minh, Vietnam	Sep 2012 – Nov 2016
	▪ B.S. in Computer Science: 3.95 / 4.00	
	<b>Nanyang Technological University</b> , Singapore	Aug 2014 – Dec 2014
	▪ Awarded Temasek Foundation Exchanged Scholarship: 5.00 / 5.00	
EXPERIENCE	<b>Research Assistant</b> , MCADS Lab, Northeastern University, USA	Aug 2017 – Present
	▪ Supervisor: Prof. Ehsan Elhamifar	
	• Improved the state-of-the-art performance of unseen clothing recognition by 4% harmonic mean on DeepFashion dataset (first author - accepted at NeurIPS20)	
	• Improved the state-of-the-art performance by 2% mAP score on NUS-WIDE and scaled to 7000 seen labels and 400 unseen labels in Open Images (first author - accepted at CVPR20, <b>Oral</b> )	
	• Improved the state-of-the-art 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 localize key-frames without human supervision (accepted at ECCV20)	
	<b>Data Engineer</b> , VNG Corporation, Vietnam	Feb 2017 – Aug 2017
	▪ Applied machine learning techniques on textual and visual data to detect malicious users	
	<b>Research Assistant</b> , iSpace Lab, Simon Fraser University, Canada	May 2015 – Aug 2015
	▪ Supervisor: Prof. Bernhard Riecke – Project: Gamified Research	
	• Developed a novel control interface using sensors to map hand gestures into moving directions	
SKILLS	<b>Programming Languages</b>	
	▪ Python: (Proficient), C/C++, Java, Javascript, MATLAB: (Prior Experience)	
	<b>Frameworks</b>	
	▪ PyTorch, Tensorflow, Scikit-Learn, Numpy: (Proficient), OpenCV: (Prior Experience)	
	<b>Software Development</b>	
	▪ Design and Execute research projects under time and computational constraints	
	▪ Document and Release 4 research projects: <a href="https://github.com/hbdatt">https://github.com/hbdatt</a>	
	▪ Version Control (Git)	
	<b>System</b>	
	▪ Bash scripting for task automation, File systems in Linux, Basic network protocols	
AWARDS & SCHOLARSHIPS	▪ <b>Graduate Fellowship</b>	2017
	Khoury College of Computer Sciences, Northeastern University, USA	
	▪ <b>2nd Rank Graduation</b> with High Distinction	2016
	Advanced Program in Computer Science, University of Science, Vietnam	
	▪ Representative at <b>Ecosperity conference and Young Leaders Dialogue</b>	Sep 2015
	One week forum for world leaders discussing sustainable development, Singapore	
	▪ <b>Temasek Foundation Exchanged Scholarship</b>	Aug 2014 – Dec 2014
	One semester study at Nanyang Technological University, Singapore	