

Dat Huynh

huynh.dat@northeastern.edu • hbdat.github.io • Scholar Profile

EDUCATION	Northeastern University , Boston, Massachusetts, USA Aug 2017 – Aug 2022 (expected) <ul style="list-style-type: none">▪ Ph.D. in Computer Science: 3.97 / 4.00
	University of Science , Ho Chi Minh, Vietnam Sep 2012 – Nov 2016 <ul style="list-style-type: none">▪ B.S. in Computer Science: 3.95 / 4.00
	Nanyang Technological University , Singapore Aug 2014 – Dec 2014 <ul style="list-style-type: none">▪ Awarded Temasek Foundation Exchanged Scholarship: 5.00 / 5.00
EXPERIENCE	Research Assistant , MCADS Lab, Northeastern University, USA Aug 2017 – Present <ul style="list-style-type: none">▪ Supervisor: Prof. Ehsan Elhamifar<ul style="list-style-type: none">• 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 <ul style="list-style-type: none">▪ 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 <ul style="list-style-type: none">▪ Supervisor: Prof. Bernhard Riecke – Project: Gamified Research<ul style="list-style-type: none">• Developed a novel navigation interface using sensors to map hand gestures into moving directions
	SKILLS
	Programming Languages <ul style="list-style-type: none">▪ Python: (Proficient), C/C++, Java, Javascript, MATLAB: (Prior Experience)
	Frameworks <ul style="list-style-type: none">▪ Tensorflow, PyTorch, Scikit-Learn, Numpy: (Proficient), OpenCV: (Prior Experience)
	Software Development <ul style="list-style-type: none">▪ Design and Execute research projects under time and computational constraints▪ Document and Release 4 research projects: https://github.com/hbdat▪ Version Control (Git)
	System <ul style="list-style-type: none">▪ 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