Dat Huynh

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EDUCATION

Northeastern University, Boston, Massachusetts, USA — Aug 2017 – Present
- Ph.D. in Computer Science: 3.96 / 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
  - Improved the state-of-the-art performance of unseen clothing recognition by 4% harmonic mean on DeepFashion dataset (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 (accepted at CVPR20, **Oral**)
  - 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 (accepted at CVPR20)
  - Applied self-supervised learning on CrossTask and ProceL datasets to localize key-frames 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 control interface using sensors to map hand gestures into moving directions

SKILLS

Programming Languages
- Python: (Proficient), C/C++, Java, Javascript, MATLAB: (Prior Experience)

Frameworks
- PyTorch, Tensorflow, 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/hbdat*
- 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 in **Ecosperity conference and Young Leaders Dialogue** — Sep 2015
  One week forum with world leaders about sustainable development at Shangri-La Hotel, Singapore

- **Temasek Foundation Exchanged Scholarship** — Aug 2014 – Dec 2014
  One semester study at Nanyang Technological University, Singapore