piotr dollár

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Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO — San Diego, CA
Ph.D. in Computer Science, 2007.
Dissertation: *Learning from Local Image Regions.*

HARVARD UNIVERSITY — Cambridge, MA
S.M. (Master of Science) in Computer Science, 2002.
A.B. Cum Laude in Computer Science, 2002.

Research Experience

FACEBOOK AI RESEARCH — Menlo Park, CA
Research Director. Sept. 2014 - present.

MICROSOFT RESEARCH — Redmond, WA
Researcher. Nov. 2011 - Sept. 2014.

ANCHOVI LABS — Pasadena, CA
Cofounder [acquired by Dropbox in 2012]. July 2010 - Oct. 2011.

CALIFORNIA INSTITUTE OF TECHNOLOGY — Pasadena, CA
Postdoctoral Fellow. Sept. 2007 - Oct. 2011.

UNIVERSITY OF CALIFORNIA, SAN DIEGO — San Diego, CA
Graduate Student Researcher. Feb. 2002 - Sept. 2007.

Professional Activities

Area Chair: NeurIPS 23, CVPR 23, CVPR 21, CVPR 20, CVPR 19, ICCV 17, ECCV 16, ICCV 15, CVPR 15, CVPR 14.

Reviewer: CVPR, ICCV, ECCV, NEURIPS, ICLR, BMVC, PAMI, IJCV, JMLR.

Committees: CVPR 21 Best Paper Award Committee | ICCV 21 LVIS Challenge Workshop | ECCV 20 Tutorial on Visual Recognition for Images, Video, and 3D | ECCV 20 Joint COCO and LVIS Recognition Workshop | CVPR 20 Tutorial on Visual Recognition for Images, Video, and 3D | ICCV 19 Tutorial on Visual Recognition for Images, Video, and 3D | ICCV 19 Joint COCO and Mapillary Recognition Workshop | CVPR 19 Tutorial on Visual Recognition and Beyond | ECCV 18 Tutorial on Visual Recognition and Beyond | ECCV 18 Joint COCO and Mapillary Recognition Workshop | CVPR 18 Tutorial on Visual Recognition and Beyond | ICCV 17 Joint COCO and Places Recognition Workshop | ICCV 17 Tutorial on Instance-level Visual Recognition | ECCV 16 Joint ImageNet and COCO Visual Recognition Workshop | ICCV 15 Tutorial on Tools for Efficient Object Detection | ICCV 15 Joint ImageNet and COCO Visual Recognition Workshop | ICCV 13 Computer-Vision for Vehicle Technology: From Earth to Mars [Judge] | ICCV 13 Large Scale Visual Commerce [Panelist] | ICCV 13 ImageNet Challenge [Panelist] | CVPR 13 SUNw: Scene Understanding Workshop [PC] | CVPR 11 Workshop on Human Activity Understanding from 3D Data [PC] | ECCV 10 Workshop on Sign Gesture Activity [PC] | CVPR 10 Workshop on Advancing Computer Vision with Humans in the Loop [PC] | CVPR 09 Workshop on Visual Scene Understanding [Panelist] | Siemens Comp. in Math, Science and Tech 2009, 2010 [Judge].

Selected Publications

Remark: For full paper list see: `http://scholar.google.com/citations?user=a8Y2OJMAAAAJ`. Jointly over **75** papers have **190,000 citations**, an **h-index** of **62**, and an **i10-index** of **72**. In the top **15** most cited researchers in computer vision of *all time* according to Google Scholar. All citation counts were obtained via Google Scholar in 2023.

A. Kirillov, E. Mintun, N. Ravi, H. Mao, ..., P. Dollár, and R. Girshick "Segment anything," CVPR, 2023 [**1598** citations]. **Best Paper Honorable Mention.**

K. He, X. Chen, S. Xie, Y. Li, P. Dollár, and R. Girshick "Masked Autoencoders Are Scalable Vision Learners," CVPR, 2022 [**3939** citations].

T.Y. Lin, P. Goyal, R. Girshick, K. He, and P. Dollár, "Focal loss for dense object detection," ICCV, 2017 [**26K+** citations]. **Best Student Paper.**

K. He, G. Gkioxari, P. Dollár, and R. Girshick, "Mask R-CNN," ICCV, 2017 [**32K+** citations]. **Best Paper (Marr prize).**

T.Y. Lin, P. Dollár, ..., and S. Belongie "Feature Pyramid Networks for Object Detection," CVPR, 2017 [**23K+** citations].

T.Y. Lin, M. Maire, S Belongie, ..., and P. Dollár, "Microsoft COCO: Common Objects in Context," ECCV, 2014 [**42K+** citations]. **PAMI Mark Everingham Prize.**

D. Lin, M. Boyle, P. Dollár, H. Lee, P. Perona, E. Lein, and D. Anderson, "Functional identification of an aggression locus in the mouse hypothalamus," Nature, 2011 [**925** citations].

Code

GitHub: `https://github.com/pdollar/`

Piotr's Image & Video Matlab Toolbox: open source computer vision library with emphasis on recognition. Approximately **50,000** *unique* visitors in 2008-2013 (∼**400,000** page views).
Available at: `http://vision.ucsd.edu/~pdollar/toolbox/doc/index.html`

Other open source toolboxes: Behavior Recognition Toolbox, Locally Smooth Manifold Learning Toolbox, Cascaded Pose Regression Toolbox, Structured Edge Detection Toolbox.
Available at: `http://vision.ucsd.edu/~pdollar/research.html`