

Ronghang Hu

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Research Interests

- computer vision, especially object detection and language-related vision tasks
- machine learning, especially neural networks and domain adaptation
- natural language processing, combined with visual comprehension

Education

- **University of California, Berkeley** Berkeley, CA, USA
Ph.D. student in Computer Science Aug 2015 – present
– advised by Prof. Trevor Darrell
- **Tsinghua University** Beijing, China
B.E. in Electronic Engineering Aug 2011 – Jul 2015
– GPA: 91.0/100

Experiences

- **Facebook AI Research** Seattle, WA, USA
Research Intern May 2017 – Aug 2017
– working on computer vision research with Dr. Ross Girshick

Selected Publications

- **R. Hu**, P. Dollár, K. He, T. Darrell, R. Girshick, **Learning to Segment Every Thing**. in arXiv preprint arXiv:1711.10370, 2017 (submitted to CVPR 2018).
- **R. Hu**, J. Andreas, M. Rohrbach, T. Darrell, K. Saenko, **Learning to Reason: End-to-End Module Networks for Visual Question Answering**. in ICCV, 2017 (Spotlight presentation).
- **R. Hu**, M. Rohrbach, J. Andreas, T. Darrell, K. Saenko, **Modeling Relationships in Referential Expressions with Compositional Modular Networks**. in CVPR, 2017 (Spotlight presentation).
- **R. Hu**, M. Rohrbach, T. Darrell, **Segmentation from Natural Language Expressions**. in ECCV, 2016 (Spotlight presentation).
- A. Rohrbach, M. Rohrbach, **R. Hu**, T. Darrell, B. Schiele, **Grounding of Textual Phrases in Images by Reconstruction**. in ECCV, 2016 (Oral presentation).
- **R. Hu**, H. Xu, M. Rohrbach, J. Feng, K. Saenko, T. Darrell, **Natural Language Object Retrieval**. in CVPR, 2016 (Oral presentation).
- D. Mrowca, M. Rohrbach, J. Hoffman, **R. Hu**, K. Saenko, T. Darrell, **Spatial Semantic Regularisation for Large Scale Object Detection**. in ICCV, 2015.
- J. Hoffman, S. Guadarrama, E. Tzeng, **R. Hu**, J. Donahue, R. Girshick, T. Darrell, K. Saenko, **LSDA: Large Scale Detection Through Adaptation**. in NIPS, 2014.

Relevant Skills

- **Languages:** C/C++, CUDA, Python, Matlab, PHP, SQL, JavaScript
- **Tools and Devices:** Caffe, TensorFlow, OpenCV, Kinect