

Ronghang Hu

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Research Interests

- **visual and linguistic reasoning** (*image description, expression grounding, question answering, and visual dialog*)
- **visual perception** (*object detection and segmentation*)

Education

- **University of California, Berkeley** Berkeley, CA, USA
Ph.D. student in Computer Science Aug 2015 – present
- **Tsinghua University** Beijing, China
B.Eng. in Electrical Engineering Aug 2011 – Jul 2015

Experiences

- **Facebook AI Research** Seattle, WA, USA
Research intern (with Dr. Ross Girshick) May 2017 – Aug 2017

Selected Publications

- D. Fried*, **R. Hu***, V. Cirik*, A. Rohrbach, J. Andreas, L.-P. Morency, T. Berg-Kirkpatrick, K. Saenko, D. Klein**, T. Darrell**, **Speaker-Follower Models for Vision-and-Language Navigation**. in NeurIPS, 2018.
- **R. Hu**, J. Andreas, T. Darrell, K. Saenko, **Explainable Neural Computation via Stack Neural Module Networks**. in ECCV, 2018.
- L. A. Hendricks, **R. Hu**, T. Darrell, Z. Akata, **Grounding Visual Explanations**. in ECCV, 2018.
- **R. Hu**, P. Dollár, K. He, T. Darrell, R. Girshick, **Learning to Segment Every Thing**. in 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.
- **R. Hu**, M. Rohrbach, J. Andreas, T. Darrell, K. Saenko, **Modeling Relationships in Referential Expressions with Compositional Modular Networks**. in CVPR, 2017.
- **R. Hu**, M. Rohrbach, T. Darrell, **Segmentation from Natural Language Expressions**. in ECCV, 2016.
- A. Rohrbach, M. Rohrbach, **R. Hu**, T. Darrell, B. Schiele, **Grounding of Textual Phrases in Images by Reconstruction**. in ECCV, 2016.
- **R. Hu**, H. Xu, M. Rohrbach, J. Feng, K. Saenko, T. Darrell, **Natural Language Object Retrieval**. in CVPR, 2016.
- 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.

Professional Activities

- **Conference Reviewer:** CVPR (Outstanding Reviewer in 2018), ICCV, ECCV
- **Journal Reviewer:** T-PAMI, T-MM

Relevant Skills

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