

# Daeyun Shin

## Curriculum Vitae

Graduate Student  
Department of Computer Science  
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## Research Interests

My research interests are in artificial intelligence at the intersection of computer vision and graphics. I am interested in 3D scene understanding and unsupervised learning.

## Education

Sept 2017 – present      **Ph.D.** in Computer Science, University of California, Irvine  
Aug 2015 – Jul 2017      **M.S.** in Computer Science, University of Illinois at Urbana-Champaign  
Aug 2011 – May 2015      **B.S.** in Computer Science, University of Illinois at Urbana-Champaign

## Publications

- [1] D. Shin, C. Fowlkes, and D. Hoiem, "Pixels, voxels, and views: A study of shape representations for single view 3d object shape prediction," in *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2018.
- [2] T. Gupta, D. Shin, N. Sivagnanadasan, and D. Hoiem, "3dfs: Deformable dense depth fusion and segmentation for object reconstruction from a handheld camera," *ArXiv:1606.05002*, 2016.
- [3] J. Rock, T. Gupta, J. Thorsen, J. Gwak, D. Shin, and D. Hoiem, "Completing 3D object shape from one depth image," in *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2015.

## Employment

Mar 2018      **Research Assistant**, CS Department | Irvine, IL  
– 3D vision research with Prof. Charless Fowlkes.

Aug 2016 – Jul 2017      **Research Assistant**, CS Department | Urbana, IL  
– 3D vision research with Prof. Derek Hoiem.

May 2016 – Aug 2016      **Google Inc.**, Software Engineering Intern | New York, NY  
– Implemented registering handwritten strokes to skeletonized binary images using OpenCV for an unreleased product.

Aug 2015 – May 2016      **Teaching Assistant**, CS Department | Urbana, IL  
– Computational Photography (CS 445), Applied Machine Learning (CS 498 DF)

May 2015 – Aug 2015      **Google Inc.**, Software Engineering Intern | Pittsburgh, PA  
– Display/Video Ads team.

May 2014 – Aug 2014      **Amazon Web Services**, Software Engineering Intern | Palo Alto, CA  
– Software development with WorkDocs team.

May 2013 – Aug 2013      **Amazon.com**, Software Engineering Intern | Seattle, WA  
– Worked on face detection for internal video-based surveillance software.

## Activities

Aug 2013      **ACM-ICPC**, Competed in Mid-Central USA. 4/8 problems.