

Andrew Owens

CONTACT INFORMATION	Website: http://andrewowens.com	U.C. Berkeley Berkeley, CA 94720
EDUCATION	Massachusetts Institute of Technology , Cambridge, MA Ph.D., Electrical Engineering and Computer Science <ul style="list-style-type: none">• Advisors: William Freeman and Antonio Torralba• Thesis: <i>Learning Visual Models from Paired Audio-Visual Examples</i>	2016
	Massachusetts Institute of Technology , Cambridge, MA M.S., Electrical Engineering and Computer Science <ul style="list-style-type: none">• Advisors: William Freeman and Antonio Torralba	2013
	Cornell University , Ithaca, NY B.A., Computer Science <ul style="list-style-type: none">• Advisor: Daniel Huttenlocher	2010
EXPERIENCE	UC Berkeley , Berkeley, CA <i>Postdoctoral Researcher</i> <ul style="list-style-type: none">• Advisors: Alexei Efros and Jitendra Malik	9/16 – present
	Microsoft Research , Redmond, WA <i>Research Intern</i> <ul style="list-style-type: none">• Advisor: Rick Szeliski	6/14 – 9/14
	Google , Seattle, WA <i>Software Engineering Research Intern</i> <ul style="list-style-type: none">• Advisor: Sameer Agarwal	5/11 – 8/11
HONORS	Best Paper Award, Honorable Mention. CVPR 2011 NDSEG Fellowship, 2011 - 2014 NSF Graduate Research Fellowship, 2012 (declined) Microsoft Research Fellowship, 2015 Best Reviewer Award, ICLR 2018.	
PUBLICATIONS	[1] Xiuming Zhang, Tali Dekel, Tianfan Xue, Andrew Owens , Qiurui He, Jiajun Wu, Stefanie Mueller, William T. Freeman. MoSculp: Interactive Visualization of Shape and Time. <i>User Interface Software and Technology (UIST)</i> , 2018. [2] Andrew Owens , Alexei A. Efros. Audio-Visual Scene Analysis with Self-Supervised	

Multisensory Features. *European Conference on Computer Vision (ECCV)*, 2018. Oral presentation.

[3] Minyoung Huh, Andrew Liu, **Andrew Owens**, Alexei A. Efros. Fighting Fake News: Image Splice Detection via Learned Self-Consistency. *European Conference on Computer Vision (ECCV)*, 2018.

[4] Roberto Calandra, **Andrew Owens**, Dinesh Jayaraman, Justin Lin, Wenzhen Yuan, Jitendra Malik, Edward H. Adelson, Sergey Levine. More Than a Feeling: Learning to Grasp and Regrasp using Vision and Touch. *Robotics and Automation Letters (RA-L)*, 2018.

[5] **Andrew Owens**, Jiajun Wu, Josh McDermott, William T. Freeman, Antonio Torralba. Learning Sight From Sound: Ambient Sound Provides Supervision for Visual Learning. *International Journal of Computer Vision (IJCV)*, 2018.

[6] Roberto Calandra, **Andrew Owens**, Manu Upadhyaya, Wenzhen Yuan, Justin Lin, Edward H. Adelson, Sergey Levine. The Feeling of Success: Does Touch Sensing Help Predict Grasp Outcomes?. *Conference on Robot Learning (CoRL)*, 2017.

[7] Wenzhen Yuan, Chenzhuo Zhu, **Andrew Owens**, Mandayam Srinivasan, Edward H. Adelson. Shape-independent Hardness Estimation Using Deep Learning and a GelSight Tactile Sensor. *International Conference on Robotics and Automation (ICRA)*, 2017.

[8] **Andrew Owens**, Jiajun Wu, Josh McDermott, William T. Freeman, Antonio Torralba. Ambient Sound Provides Supervision for Visual Learning. *European Conference on Computer Vision (ECCV)*, 2016. Oral presentation.

[9] **Andrew Owens**, Phillip Isola, Josh McDermott, Antonio Torralba, Edward H. Adelson, William T. Freeman. Visually Indicated Sounds. *Computer Vision and Pattern Recognition (CVPR)*, 2016. Oral presentation.

[10] **Andrew Owens**, Connelly Barnes, Alex Flint, Hanumant Singh, William T. Freeman. Camouflaging an Object from Many Viewpoints. *Computer Vision and Pattern Recognition (CVPR)*, 2014. Oral presentation.

[11] David Crandall, **Andrew Owens**, Noah Snavely, Dan Huttenlocher. SfM with MRFs: Discrete-Continuous Optimization for Large-Scale Structure from Motion. *Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, 2013.

[12] **Andrew Owens**, Jianxiong Xiao, Antonio Torralba, William T. Freeman. Shape Anchors for Data-Driven Multi-view Reconstruction. *International Conference on Computer Vision (ICCV)*, 2013.

[13] Jianxiong Xiao, **Andrew Owens**, Antonio Torralba. SUN3D: A Database of Big Spaces Reconstructed using SfM and Object Labels. *International Conference on Computer Vision (ICCV)*, 2013.

[14] David Crandall, **Andrew Owens**, Noah Snavely, Dan Huttenlocher. Discrete-Continuous Optimization for Large-Scale Structure from Motion. *Computer Vision and Pattern Recognition (CVPR)*, 2011. Oral presentation. **Best Paper Award Honorable Mention.**

INVITED TALKS RSS Workshop on Multi-Modal Perception and Control – May 2018
CVPR Workshop, Beyond Supervised Learning – May 2018
Toyota Technological Institute Chicago – March 2018
Guest Lecture, CS194-26, UC Berkeley – October 2017
Guest Lecture, CS194-26, UC Berkeley – October 2016
VASC Seminar, CMU Robotics Institute – May 2016

PROFESSIONAL Co-organizer, *Sight and Sound* workshop at CVPR 2018: <http://sightsound.org>
ACTIVITIES

PRESS COVERAGE MIT researchers built an AI that predicts what the world sounds like. Quartz, 2016.
MIT Develops a Novel Camouflaging Algorithm That Hides Eyesores. Wired, 2014.
The Future of Camouflage. Boston Globe, 2014.