

Jonathan T. Barron

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Publications: <http://jonbarron.info>
Citizenship: United States

Academic History

University of California, Berkeley

Ph.D. in Computer Science
Advised by Jitendra Malik
CGPA of 4.0 / 4.0

Fall 2008 – Summer 2013

Massachusetts Institute of Technology

Visiting Ph.D. Student, Hosted by Bill Freeman

Spring 2012

New York University

Junior Research Scientist, Hosted by Rob Fergus and Yann LeCun

Fall 2007 – Spring 2008

University of Toronto

Honours B.Sc. (Computer Science Specialist: Artificial Intelligence)
Advised by Sam Roweis
CGPA of 3.73 / 4.0, graduated with High Distinction
Dean's List Scholar 2004-2007, Dickson Scholarship 2006-2007

Fall 2003 – Spring 2007

Highlighted Publications

Mildenhall, B., Srinivasan, P. P., Tancik, M., Barron, J. T., Ramamoorthi, R., Ng, R., NeRF: **Representing Scenes as Neural Radiance Fields for View Synthesis**, ECCV 2020

Barron, J. T., **A General and Adaptive Robust Loss Function**, CVPR 2019

Barron, J. T., Poole, B., **The Fast Bilateral Solver**, ECCV 2016

Barron, J. T., **Convolutional Color Constancy**, ICCV 2015

Barron, J. T., Adams, A., Shih, Y., Hernández, C., **Fast Bilateral-Space Stereo for Synthetic Refocus**, CVPR 2015

Barron, J.T., Malik, J., **Shape, Illumination, and Reflectance from Shading**, TPAMI 2015

Highlighted Awards

ECCV 2020 - Best Paper Honorable Mention

CVPR 2019 - Best Paper Finalist (2x)

ECCV 2016 - Best Paper Honorable Mention

TPAMI - Spotlight Paper for 2015

UC Berkeley - C.V. Ramamoorthy Distinguished Research Award, 2013

NSF Graduate Research Fellowship, 2009

Academic Service

Demo / Exhibition Chair, CVPR 2023

Area Chair, CVPR 2019

Area Chair, CVPR 2018

Reviewer, SIGGRAPH/SIGGRAPH Asia 2014-Now

Reviewer, CVPR/ECCV/ICCV/TPAMI 2013-Now

Employment History

Google Research, Mountain View, CA / San Francisco, CA

Staff Research Scientist (L6)	2018-Now
Senior Research Scientist (L5)	2015-2018
Research Scientist (L4)	2014-2015
Software Engineer, Google[x] (L4)	2013-2014

Captricity, Berkeley, CA

Consultant	Summer 2011
Technical Board of Advisors	2015 - Now

NASA Ames Research Center, Moffett Field, CA

Intern (Intelligent Robotics Group)	Summer 2009
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Google, New York, NY / Mountain View, CA

Intern (Research)	Summer 2008
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Novartis Institutes for Biomedical Research, Cambridge, MA

Computational Biology Intern	Summer 2007
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BAE Systems - Advanced Information Technologies, Burlington, MA

Intern (Multisensor Exploitation Team)	Summer 2005, 2006
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Student Activities

University of California, Berkeley

CS188: Introduction to Artificial Intelligence - Graduate Student Instructor	Fall 2010, Spring 2011
Artificial Intelligence: A Modern Approach 3rd Edition - Figure Design	2009

University of Toronto

The Gargoyle (newspaper): Production Manager 2006 & 2007, Editor 2005-2007
The UC Review (literary magazine): Editor in Chief 2005 & 2007, Editor 2004