

Grace Kuo

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EDUCATION	University of California, Berkeley , Berkeley, CA PhD in Electrical Engineering and Computer Sciences Advised by Professors Laura Waller and Ren Ng.	2015 - present
	Washington University in St. Louis , St. Louis, MO BS in Electrical Engineering Engineering Class Valedictorian, graduated Summa Cum Laude.	2011 - 2015
CURRENT RESEARCH	My research is in computational imaging, which is the joint design of hardware and algorithms for imaging and display systems. I work at the intersection of optics, signal processing, computer graphics, and optimization.	
INDUSTRY EXPERIENCE	Facebook Reality Labs (Oculus Research) , Research Intern Computational display systems for virtual and augmented reality.	5/2018 - 9/2018
	MIT Lincoln Laboratory , Research Intern Electromagnetic simulation and optimization for antenna design.	5/2014 - 8/2014
SELECTED PUBLICATIONS	High Resolution Étendue Expansion for Holographic Displays Grace Kuo , Laura Waller, Ren Ng, and Andrew Maimone <i>SIGGRAPH 2020</i>	2020
	On-chip Fluorescence Microscopy with a Random Microlens Diffuser Grace Kuo , Fanglin Linda Liu, Irene Grossrubatscher, Ren Ng, and Laura Waller <i>Optics Express</i> 28.6, pp. 8384-8399	2020
	DiffuserCam: Lensless Single-exposure 3D Imaging Grace Kuo* , Nick Antipa*, Reinhard Heckel, Ben Mildenhall, Emrah Bostan, Ren Ng, and Laura Waller <i>Optica</i> 5.1, pp. 1-9	2018
	Learned Reconstructions for Practical Mask-based Lensless Imaging Kristina Monakhova, Joshua Yurtsever, Grace Kuo , Nick Antipa, Kyrollos Yanny, and Laura Waller <i>Optics Express</i> 27.20, pp. 28075-28090	2019
INVITED TALKS	Illinois Wesleyan University , Colloquium Speaker	10/2019
	Computational Cameras and Displays Workshop <i>Conference on Computer Vision and Pattern Recognition (CVPR)</i>	6/2019
	Sculpted Light in the Brain	6/2019
	MIT New Directions in Imaging Seminar Series	12/2018
HONORS AND AWARDS	Best Demo, International Conference on Computational Photography	2017
	National Defense Science and Engineering Graduate Fellowship	2016 - 2019
	UC Berkeley EECS Department Fellowship	2015 - 2016
TEACHING, SERVICE, AND OUTREACH	Instructor for EECS 16A (Introduction to EE), UC Berkeley	Summer 2020
	Head Content TA for EECS 16A (Introduction to EE), UC Berkeley	Spring 2018
	EE Graduate Student Association Community Outreach	2016 - 2018
	Berkeley Center for Computational Imaging (BCCI)	2016 - 2017
	Seminar Series Organizer	