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 - 2020**
	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 *SIGGRAPH 2020*	**2020**
	On-chip Fluorescence Microscopy with a Random Microlens Diffuser **Grace Kuo**, Fanglin Linda Liu, Irene Grossrubatscher, Ren Ng, and Laura Waller *Optics Express 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 *Optica 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 *Optics Express 27.20, pp. 28075-28090*	**2019**
INVITED TALKS	**Illinois Wesleyan University, Colloquium Speaker**	**10/2019**
	Computational Cameras and Displays Workshop *Conference on Computer Vision and Pattern Recognition (CVPR)*	**6/2019**
	Sculpted Light in the Brain	**6/2019**
	MIT New Directions in Imaging Seminar Series	**12/2018**
HONORS AND AWARDS	UC Berkeley Outstanding Graduate Student Instructor Award	**2021**
	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) Seminar Series Organizer	**2016 - 2017**