

Ellin Q. Zhao

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Research interests: computational imaging, computer vision, machine learning, signal processing

EDUCATION	University of California, Los Angeles	2021- present
	<ul style="list-style-type: none">• Ph.D. student, Electrical and Computer Engineering• Advisor: Professor Achuta Kadambi	
	University of California, Berkeley	2016- 2020
	<ul style="list-style-type: none">• B.S., Electrical Engineering and Computer Sciences (GPA: 3.6/4.0)	
RESEARCH EXPERIENCE	UCLA Visual Machines Group, <i>graduate student researcher</i>	2021- present
	Advised by Prof. Achuta Kadambi, researching computer vision and computational imaging for diverse scenes and subjects.	
	UC Berkeley Center for Computational Imaging, <i>undergraduate researcher</i>	2018- 2020
	Advised by Prof. Laura Waller, built multi-sensor lensless camera prototype capable of reconstruction under 90% compression of raw data.	
	Carnegie Mellon Institute for Software Research, <i>undergraduate researcher</i>	2018- 2019
	Advised by Prof. David Garlan, developed an explainable AI tool for multiple objective probabilistic systems (i.e. robot navigation).	
INDUSTRY EXPERIENCE	Whisper AI, <i>backend software engineer</i>	2020- 2021
	Built systems for managing patient audiology data and devices in the field.	
	Google, <i>software engineering intern</i>	2019
	Improved mobile signup and login flows for approx. 2 million Google users.	
PUBLICATIONS	1. E. Zhao , N. Deshler, K. Monakhova, L. Waller, "Multi-sensor lensless imaging: synthetic large-format sensing with a disjoint sensor array." in Computational Optical Sensing and Imaging (COSI), Optical Society of America, June 2020.	
	2. E. Zhao and R. Sukkerd, "Interactive explanation for planning-based systems," in Proceedings of the 10th ACM/IEEE International Conference on Cyber-Physical Systems (ICCPS) 2019.	
TEACHING	UC Berkeley, Department of EECS	
	Undergraduate student instructor, <i>CS61B (Data Structure & Algorithms)</i>	2018- 2019
	Tutor, <i>CS61B (Data Structure & Algorithms)</i>	2017- 2018
SERVICE	UCLA-Caltech, Grundfest Imaging Lecture series, <i>co-organizer</i>	2021- present
	UCLA, Center for Excellence in Engineering and Diversity, <i>research mentor</i>	2021- present
	UC Berkeley, Association of Women in Engineering, <i>mentor</i>	2020- 2022
	UC Berkeley, Engineering Student Council, <i>volunteer</i>	2020
AWARDS	NSF Graduate Research Fellowship	2022-present
	UC Berkeley Grace Hopper Conference Scholarship	2018
	Rose Hills Foundation Science and Engineering Scholarship	2017- 2018
	Kai Chong Tong Scholarship	2017- 2018
	Women of Teradata Scholarship	2016