

Angela Gao

CONTACT INFORMATION	California Institute of Technology 1200 E. California Blvd M/C 305-16 Pasadena CA 91104	(609)240-2029 afgao@caltech.edu
RESEARCH INTERESTS	Computational imaging, computational photography, computer vision, image processing, inverse problems, and machine learning.	
EDUCATION	California Institute of Technology , Pasadena, CA, USA <i>Ph.D. in Computing and Mathematical Science</i> • Advisor: Katherine L. Bouman Carnegie Mellon University , Pittsburgh, PA, USA <i>B.S. in Electrical and Computer Engineering with University Honors, Additional Major in Biomedical Engineering</i> • GPA: 3.84 (overall), 3.88 (ECE), 3.90 (BME) • Dean's List: F16, F17, S18, F18	Oct 2019 - Present 2015 - 2018
RESEARCH EXPERIENCE	California Institute of Technology - Pasadena, CA <i>Graduate Research Assistant with Dr. Katherine Bouman</i> National Institutes of Health - Bethesda, MD National Heart, Blood, and Lung Institute <i>Summer Research Intern mentored by Dr. Peter Kellman and Dr. Hui Xue</i> Carnegie Mellon University - Pittsburgh, PA <i>Undergraduate Researcher mentored by Dr. Aswin Sankaranarayanan</i> École Polytechnique Fédérale de Lausanne - Lausanne, Switzerland School of Computer and Communication Science <i>Summer@EPFL Intern mentored by Dr. Elisa Celis</i> Princeton University - Princeton, NJ <i>Summer Research Intern mentored by Dr. Adam Finklestein and Dr. Szymon Rusinkiewicz</i>	2019 - present Summer 2019 2018-2019 Summer 2018 Summer 2017
HONORS AND AWARDS	Graduate Research Fellowship Program Honorable Mention National Science Foundation Graduate Research Fellowship Program Honorable Mention National Science Foundation Mary Louise Brown Graham Memorial Scholarship Top undergraduate female students in engineering and science Carnegie Mellon University Grace Hopper Celebration Scholarship Carnegie Mellon University, ECE Department	2020 2019 2018 2018
TEACHING EXPERIENCE	Teaching Assistant 18-290 Signals and Systems	Fall 2018

	18-290 Signals and Systems	Spring 2018
	15-151 Mathematical Foundations of Computer Science	Fall 2017
	21-127 Concepts of Mathematics	Spring 2018
	21-127 Concepts of Mathematics	Fall 2017
	Student Supervisor of Teaching Assistants	2018-2019
	Carnegie Mellon University	
TALKS AND WORKSHOPS	Inverse Modelling for Seismic Tomography Caltech Vision Meeting, Pasadena, CA.	July 2020
	KISS Study on "Beyond Interstellar: Extracting Science from Black Hole Images" - Pasadena, CA	2019
PROJECTS	Baby Got Track ECE Capstone Design Project, Carnegie Mellon University.	2018
	Medtronic Positional Stabilizer for Image Guidance Trackers Biomedical Engineering Senior Project, Carnegie Mellon University, Medtronic Inc.	2017–2018
INDUSTRY EXPERIENCE	Morsel- New York, New York <i>Software Engineering Intern</i>	2016
ACADEMIC SERVICE	Member , Women in CMS, Caltech President , Biomedical Engineering Society, Carnegie Mellon University Social Chair , Biomedical Engineering Society, Carnegie Mellon University	2019-Present 2018–2019 2017–2018
ADDITIONAL SERVICE	Caltech Y Rise Tutoring -Pasadena, CA California Institute of Technology	2019-Present
	Alpha Phi Omega -Pittsburgh, PA Carnegie Mellon University 250+ volunteer Hours	2016-2019
RELEVANT SKILLS	Programming Languages: Python, C, C++, x86-64, System Verilog, Matlab, L ^A T _E X Software and Tools: MySQL, PyTorch, OpenCV Spoken Languages: English, Chinese, Spanish	