Angela Gao

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

	18-290 Signals and Systems 15-151 Mathematical Foundations of Computer Science 21-127 Concepts of Mathematics 21-127 Concepts of Mathematics		Spring 2018 Fall 2017 Spring 2018 Fall 2017
	Student Supervisor of T Carnegie Mellon University	_	2018-2019
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 Software Engineering Intern		2016
ACADEMIC SERVICE	President , Biomedical Engineering Society, Carnegie Mellon University Social Chair , Biomedical Engineering Society, Carnegie Mellon University		2018–2019 2017–2018
Additional Service	Caltech Y Rise Tutoring-Pasadena, CA California Institute of Technology		2019-2020
	Alpha Phi Omega-Pittsburgh, PA Carnegie Mellon University 250+ volunteer Hours		2016-2019
Relevant Skills	Programming Languages: Software and Tools: Spoken Languages:	Python, C, C++, x86-64, System Verilog, Matlab, LATEX MySQL, PyTorch, OpenCV English, Chinese, Spanish	