

Cindy M. Nguyen

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EDUCATION

Stanford University

Ph.D. Candidate in Electrical Engineering, Sept 2019 – Present
Stanford Computational Imaging Lab – Advisor: Gordon Wetzstein

M.S. in Electrical Engineering, Sept 2019 – June 2021
GPA: 3.69 / 4.00

B.S. in Bioengineering, Sept 2015 – June 2019
Stanley Qi Lab – Advisor: Lei Stanley Qi
GPA: 3.90 / 4.00

RESEARCH INTERESTS

Computational Photography, Computational Imaging, Computer Vision

PUBLICATIONS

Depth from Defocus with Learned Optics for Imaging and Occlusion-Aware Depth Estimation. Hayato Ikoma, **Cindy M. Nguyen**, Yifan Peng, Gordon Wetzstein. *IEEE Int. Conference on Computational Photography*, 2021.

CRISPR-Mediated Live Imaging of Genome Editing and Transcription. Haifeng Wang, Muneaki Nakamura, Timothy R. Abbott, Dehua Zhao, Kaiwen Luo, Cordelia Yu, **Cindy M. Nguyen**, Albert Lo, Timothy P. Daley, Marie La Russa, Yanxia Liu, Lei S. Qi. *Science*, 2019.

CRISPR-Mediated Programmable 3D Genome Positioning and Nuclear Organization. Haifeng Wang, Xiaoshu Xu, **Cindy M. Nguyen**, Yanxia Liu, Yuchen Gao, Xueqiu Lin, Timothy Daley, Nathan H. Kipniss, Marie La Russa, Lei S. Qi. *Cell*, 2018.

EXPERIENCE

Ph.D. Researcher Jan 2020 – Present
Stanford Computational Imaging Lab, Stanford University
– Image restoration via complementary information in varying exposure levels

Undergraduate Researcher Sept 2017 – Mar 2019
Brian Feldman lab, Stanford University
– RNA-Seq analysis of early metabolic cues of diabetes in mature adipocytes

Undergraduate Researcher July 2018 – Sept 2018
Markus Schwaninger Lab, Universität zu Lübeck
– Characterizing blood-brain barrier transport mechanisms of leptin

Undergraduate Researcher Mar 2016 – Feb 2018
Stanley Qi Lab, Stanford University
– Chemically-inducible CRISPR systems for human chromatin 3D organization

High School Researcher June 2015 – Aug 2015
Sean Wu Lab, Stanford University
– CRISPR systems targeting human cardiomyocyte genes in pluripotent stem cells

HONORS	Stanford JEDI Service Graduation Award	2021
	Awarded for dedication to improving accessibility of STEM to underrepresented communities (USD 1,000)	
	Generation Google Scholarship	2021
	Scholarship for commitment to diversity, demonstrated leadership, and academic performance (USD 10,000)	
	NSF Graduate Research Fellowship	2019
	Three-year fellowship awarded to ~15% of applicants nationally (USD 34,000/year)	
	Stanford NeuroTech Fellowship	2019
	Declined early acceptance to three-year fellowship due to changing interests	
	German Academic Exchange Service Scholarship	2018
	Scholarship for conducting research abroad at the Universität zu Lübeck (EUR 1,250/month)	
	Stanford Bio-X Undergraduate Research Fellowship	2017
	Fellowship for conducting summer research (USD 7,000)	
	Google igniteCS Grant	2017
	Grant to direct and organize computer science educational workshop series in low-income communities (USD 4,000)	
	NSF Undergraduate Research Fellowship	2016
	Fellowship for conducting summer research (USD 6,400)	
TEACHING	Stanford Haas Education Partnerships Grant	2016, 2017
	Grant to direct and organize educational outreach programs in low-income communities (USD 1,000 x2)	
	Oral Communications Tutor , Stanford Hume Center	2018 – 2019
	Teaching Assistant , Stanford Institutes of Medicine Research Program	2019
SERVICE	Course Grader , Stanford BIOE 103 Course	2019
	Co-Founder and Program Director	2019 - Present
	Stanford SHTeM High School and Community College Program	
	Programs Officer	2018
	Stanford Future Advancers of Science and Technology	
	Project Lead	2017
	Google igniteCS, Stanford University	
	Co-Founder	2016 – 2017
	Catalist, Stanford University	