

Sara Aghajanzadeh

CONTACT INFORMATION	Department of Computer Science University of Illinois Urbana Champaign	SaraAghajanzadeh.github.io saraa5@illinois.edu
RESEARCH INTERESTS	Computational Photography and Computer Vision	
EDUCATION	University of Illinois at Urbana Champaign Ph.D. Computer Science <ul style="list-style-type: none">• Advisor: Dr. David Forsyth• GPA: 3.93 Purdue University M.S. Electrical and Computer Engineering, May 2020 <ul style="list-style-type: none">• Thesis: Camera Placement Meeting Restrictions of Computer Vision• Advisor: Dr. Yung-Hsiang Lu• GPA: 3.57 B.S. Computer Information Technology, May 2018 <ul style="list-style-type: none">• Inst. Honors: With Highest Distinction• Minor in Business Management• GPA: 3.94	
PREPRINTS	Sara Aghajanzadeh and David Forsyth, <i>Towards Robust Low Light Image Enhancement</i> , 2022. [Online]. Available: https://arxiv.org/abs/2205.08615 Sara Aghajanzadeh and David Forsyth, <i>Long Scale Error Control in Low Light Image and Video Enhancement Using Equivariance</i> , 2022. [Online]. Available: https://arxiv.org/abs/2206.01334	
CONFERENCE PAPERS	Sara Aghajanzadeh , Roopasree Naidu, Shuo-Han Chen, Caleb Tung, Abhinav Goel, Yung-Hsiang Lu, George Thiruvathukal, <i>Camera Placement Meeting Restrictions Of Computer Vision</i> , IEEE International Conference on Image Processing 2020. Abhinav Goel, Caleb Tung, Sara Aghajanzadeh , Isha Ghodgaonkar, Shreya Ghosh, George K. Thiruvathukal, Yung-Hsiang Lu, <i>Low-Power Object Counting with Hierarchical Neural Networks</i> , ACM/IEEE International Symposium on Low Power Electronics and Design 2020. Samira Pouyanfar, Yudong Tao, Anup Mohan, Haiman Tian, Ahmed S. Kaseb, Kent Gauen, Ryan Dailey, Sara Aghajanzadeh , Yung-Hsiang Lu, Shu-Ching Chen, Mei-Ling Shyu, <i>Dynamic Sampling in Convolutional Neural Networks for Imbalanced Data Classification</i> , IEEE Conference on Multimedia Information Processing and Retrieval 2018.	
JOURNAL PAPERS	Abhinav Goel, Sara Aghajanzadeh , Caleb Tung, Shuo-Han Chen, George K. Thiruvathukal, Yung-Hsiang Lu, <i>Modular Neural Networks for Low-Power Image Classification on Embedded Devices</i> , ACM Transactions on Design Automation of Electronic Systems, October 2020.	

Yung-Hsiang Lu, George K. Thiruvathukal, Ahmed S. Kaseb, Kent Gauen, Damini Rihwani, Ryan Dailey, Deeptanshu Malik, Yutong Huang, **Sara Aghajanzadeh**, Minghao Guo, *See the World through Network Cameras*, IEEE Computer pages 30-40, Vol. 52, Issue 10, October 2019.

BOOK CHAPTER	Sara Aghajanzadeh , Andrew T. Jebb, Yifan Li, Yung-Hsiang Lu, George K. Thiruvathukal, <i>Observing Human Behavior Through Worldwide Network Cameras</i> , Big Data in Psychological Research. American Psychological Association, 2020.	
INVITED TALKS	<i>Rethink Computer Vision with Global Public Cameras</i> , Academia Sinica, Taiwan. (September 2019)	
TEACHING EXPERIENCE	Spring 2021, Fall 2022 Fall 2020 2018-2019	Teaching Assistant, Computational Photography Teaching Assistant, Database Systems Teaching Assistant, Object-Oriented Programming C++ & Java
RESEARCH EXPERIENCE	01/2023-present Spring 2020 2017-2018	Graduate Research Assistant University of Illinois Advisors: Dr. David Forsyth and Dr. Viktor Gruev Graduate Research Assistant Purdue University Advisor: Dr. Yung-Hsiang Lu Undergraduate Research Lead Purdue University Advisor: Dr. Yung-Hsiang Lu and Dr. George Thiruvathukal
FELLOWSHIP	08/2021-08/2022	Broadening Participation in Computing (BPC) Fellow University of Illinois Advisor: Dr. Nancy Amato
RELEVANT SKILLS	Software Tools: Programming Languages: Languages:	PyTorch, OpenCV, Microsoft Office, Git, LaTeX Python, C++, Java, PL/SQL English, Persian, Turkish(basic)
GRADUATE COURSEWORK	<input type="checkbox"/> Algorithms <input type="checkbox"/> Visual Analytics <input type="checkbox"/> Linear Algebra <input type="checkbox"/> Random Variables and Signals <input type="checkbox"/> Machine Learning <input type="checkbox"/> Deep Learning <input type="checkbox"/> Statistical Learning <input type="checkbox"/> Machine Learning for Signal Processing <input type="checkbox"/> Computational Photography <input type="checkbox"/> Computer Vision <input type="checkbox"/> 3D Vision	