

BYEONGJOO AHN

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RESEARCH INTERESTS

Computer Vision · Computer Graphics · Computational Imaging
Generative models and representations for image, video, audio, and 3D content

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

PhD, Electrical and Computer Engineering

2017–2023

Advisors: Aswin C. Sankaranarayanan and Ioannis Gkioulekas

Thesis: Full-surround 3D Reconstruction using Kaleidoscopes

Committee: Aswin C. Sankaranarayanan, Ioannis Gkioulekas, Manmohan Chandraker, Shree K. Nayar

Seoul National University

Seoul, Korea

MS, Electrical Engineering and Computer Science

2012–2014

Advisor: Kyoung Mu Lee

Thesis: Occlusion-Aware Motion Deblurring for Bilayer Scenes

Outstanding Thesis Award

Seoul National University

Seoul, Korea

BS, Electrical and Computer Engineering

2008–2012

Summa Cum Laude

PROFESSIONAL EXPERIENCE

Apple

Seattle, WA

Research Scientist

Jan 2024–Present

Research Intern with Jen-Hao Rick Chang and Karren Yang

Jan 2023–Sep 2023

Snap Inc.

(remote) New York, NY

Research Intern with Shree K. Nayar and Jian Wang

May 2020–Aug 2020

Korea Institute of Science and Technology

Seoul, Korea

Research Scientist

Mar 2014–Aug 2017

PROFESSIONAL ACTIVITIES

Area Chair, CVPR (2026)

Area Chair, ICML (2025)

Area Chair, NeurIPS (2024, 2025)

Program Committee, ICCP (2023, 2024, 2025)

Reviewer, CVPR (2019–2025) · ICCV (2019–2025) · ECCV (2020, 2024) · BMVC (2019) · ICLR (2022) · NeurIPS (2022–2023) · SIGGRAPH (2022) · SIGGRAPH Asia (2023) · TIP (2022) · TCI (2024)

SELECTED PUBLICATIONS

Novel-view Acoustic Synthesis From 3D Reconstructed Rooms

Byeongjoo Ahn, Karren Yang, Brian Hamilton, Jonathan Sheaffer, Anurag Ranjan, Miguel Sarabia, Oncel Tuzel, Jen-Hao Rick Chang

Interspeech, 2024

Neural Kaleidoscopic Space Sculpting

Byeongjoo Ahn, Michael De Zeeuw, Ioannis Gkioulekas, Aswin C. Sankaranarayanan

IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023

Kaleidoscopic Structured Light

Byeongjoo Ahn, Ioannis Gkioulekas, Aswin C. Sankaranarayanan

ACM Transactions on Graphics (Proc. SIGGRAPH Asia), 2021

Convolutional Approximations to the General Non-Line-of-Sight Imaging Operator

Byeongjoo Ahn, Akshat Dave, Ashok Veeraraghavan, Ioannis Gkioulekas, Aswin C. Sankaranarayanan

IEEE/CVF International Conference on Computer Vision (ICCV), 2019 (Oral)

Reduced Illumination Patterns for Acquisition of Specular and Diffuse Normal Maps

Byeongjoo Ahn, Junghyun Cho, Taekyung Yoo, Ig-Jae Kim

ACM SIGGRAPH Asia Posters, 2016

Dynamic Scene Deblurring

Tae Hyun Kim, **Byeongjoo Ahn**, Kyoung Mu Lee

IEEE International Conference on Computer Vision (ICCV), 2013

AWARDS AND HONORS

Top Area Chair , NeurIPS	2025
Top Reviewer , NeurIPS	2022
Doctoral Study Abroad Scholarship , Korea Foundation for Advanced Studies (KFAS)	2017
Fulbright Graduate Study Award (respectfully declined), Fulbright	2017
Outstanding Thesis Award , Department of EECS, Seoul National University	2014
Honorable Mention Award , Samsung Humantech Paper Award	2014
Graduate Scholarship , Kwanjeong Educational Foundation	2012
Presidential Science Scholarship , Korea Student Aid Foundation	2008
Gold Medal , Korean Physics Olympiad	2006

INVITED TALKS

3D from Interreflections: Can Noise Become Information?	2025
KIST · Korea University · Chung-Ang University	
Kaleidoscopic Imaging for Full-surround 3D Reconstruction	2022–2023
Meta Reality Labs · Seoul National University · KIST · Connective AI Workshop	

Last updated: Jan 6, 2026