

Anagh Malik

anaghmalik.com

EDUCATION

University of Toronto

PhD in Computer Science

- Supervised by Prof. David Lindell.

Toronto, Canada

Sep. 2022 – Sep. 2026

Imperial College London

MRes Machine Learning

- Supervised by Prof. Andrew Davison and Dr. Ronald Clark.

London, UK

Oct. 2021 – Oct. 2022

Imperial College London

BSc Mathematics

- Ranked 3/250
- G-Research Prize for Academic Excellence

London, UK

Oct. 2018 - July 2021

EXPERIENCE

Apple

Research Scientist Intern

March 2025 – August 2025

Cupertino, CA

PUBLICATIONS

- **Anagh Malik***, Benjamin Attal*, Andrew Xie, Matthew O'Toole, and David B. Lindell. “Neural Inverse Rendering from Propagating Light.” Conference on Computer Vision and Pattern Recognition, 2025. **Best Student Paper Award, 2/13000**
- Sotiris Nousias*, Mian Wei*, Howard Xiao, Maxx Wu, Shahmeer Athar, Kevin J. Wang, **Anagh Malik**, David A. Barmherzig, David B. Lindell, Kiriakos N. Kutulakos. “Opportunistic Single-Photon Time of Flight.” Conference on Computer Vision and Pattern Recognition, 2025. **Oral Presentation, top 1%**
- Weihan Luo, **Anagh Malik**, and David B. Lindell. “Transientangelo: Few-Viewpoint Surface Reconstruction Using Single-Photon Lidar.” Winter Conference on Applications of Computer Vision, 2025.
- **Anagh Malik**, Noah Juravsky, Ryan Po, Gordon Wetzstein, Kiriakos N. Kutulakos, and David B. Lindell. “Flying with Photons: Rendering Novel Views of Propagating Light.” European Conference on Computer Vision, 2024. **Oral Presentation, top 2%**
- **Anagh Malik**, Parsa Mirdehghan, Sotiris Nousias, Kiriakos N. Kutulakos, and David B. Lindell. “Transient Neural Radiance Fields for Lidar View Synthesis and 3D Reconstruction.” Advances in Neural Information Processing Systems, 2023. **Spotlight, top 3%**
- **Anagh Malik**, Shuaifeng Zhi, Marwan Taher, Ronald Clark, Andrew Davison. “SegDIP: The Unreasonable Effectiveness of Randomly-Initialized CNNs for Interactive Segmentation.” Technical Report, 2022.

INVITED TALKS & PRESENTATIONS

- **Apple MLR Group**, Learning About the World by Watching Light Propagate - *July 2025*.
- **Stanford Computational Imaging Lab**, Learning About the World by Watching Light Propagate - *April 2025*.
- **Stanford GCafe**, Learning About the World by Watching Light Propagate - *April 2025*.
- **Boston University**, Multiview Reconstruction using Transients - *September 2024*.
- **MIT Media Lab**, Multiview Reconstruction using Transients - *September 2024*.
- **CMU Imaging Lab**, Multiview Reconstruction using Transients - *September 2024*.
- **Meta Codec Avatars Lab, Pittsburgh**, Multiview Reconstruction using Transients - *September 2024*.

AWARDS

Robert E. Lansdale/Okinok Computer Graphics Graduate Fellowship

Jan. 2024, Jan. 2025

G-Research Prize for Academic Excellence

Oct. 2021

1st Place in ICHack

Jan. 2019

Built a lecture based interactive 3D AR visualiser. Worked on interaction with the 3D model (rotations and zoom) in Unity using C#

1st Place in AIHack

Nov. 2018

Built an accurate neural network predicting severity and number of casualties of an accident

1st place in G-Research NLP Coding Challenge

Nov. 2018

Scholarship for All Round Excellence, Pomeranian State of Poland

Oct. 2017

Scholarship for Academic Excellence, President of Gdynia, Poland

Oct. 2017