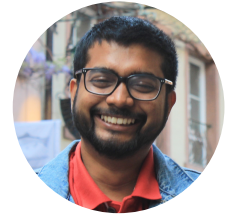


# SIDDHANT PRAKASH, PH.D.

✉ s.prakash@ucl.ac.uk    📞 +44-7570-151234    📍 7 SilverTown Way, London, E161DJ  
📍 London, UNITED KINGDOM    🌐 prakashsidd18.github.io/    🌐 siddhant-prakash    🌐 prakashSidd18



## EXPERIENCE

### Research Fellow

#### University College London

- 📅 January 2023 – Ongoing    📍 London, United Kingdom
- @ VECG group with Prof. Tobias Ritschel & Prof. Anthony Steed.
  - Optimizing graphics rendering pipeline for mixed-reality HMDs.

### Research Engineer

#### INRIA Centre de Sophia-Antipolis-Méditerranée

- 📅 February 2019 – October 2019    📍 Nice, France
- @ GraphDeco group with Prof. George Drettakis.

### Research & Development Intern

#### Max-Planck Institute for Intelligent Systems

- 📅 June 2017 – August 2017    📍 Tübingen, Germany
- @ Perceiving Systems group with Prof. Michael Black.

## PUBLICATIONS

### 📄 Journal Articles

- S. Prakash, D. R. Walton, R. K. dos Anjos, T. Ritschel, and A. Steed, "Blind augmentation consistency," *under review at ACM Trans. Graph. (SIGGRAPH)*, 2024.
- S. Prakash, G. Rainer, A. Bousseau, and G. Drettakis, "Deep scene-scale material estimation from multi-view indoor captures," *Computers & Graphics*, vol. 109, pp. 15–29, 2022, ISSN: 0097-8493. DOI: <https://doi.org/10.1016/j.cag.2022.09.010>.
- S. Prakash, T. Leimkühler, S. Rodriguez, and G. Drettakis, "Hybrid image-based rendering for free-view synthesis," *Proc. ACM Comput. Graph. Interact. Tech., i3D 2021*, vol. 4, no. 1, 2021. DOI: 10.1145/3451260.
- S. Rodriguez, T. Leimkühler, S. Prakash, C. Wyman, P. Shirley, and G. Drettakis, "Glossy probe reprojection for interactive global illumination," *ACM Trans. Graph., SIGGRAPH Asia 2020*, vol. 39, no. 6, 2020, ISSN: 0730-0301. DOI: 10.1145/3414685.3417823.
- S. Rodriguez, S. Prakash, P. Hedman, and G. Drettakis, "Image-based rendering of cars using semantic labels and approximate reflection flow," *Proc. ACM Comput. Graph. Interact. Tech., i3D 2020*, vol. 3, no. 1, 2020. DOI: 10.1145/3384535.

### 👥 Conference Proceedings

- S. Prakash, A. Bahremand, L. D. Nguyen, and R. LiKamWa, "GLEAM - an illumination estimation framework for real-time photorealistic augmented reality on mobile devices," in *Proceedings of the 17th Annual International Conference on Mobile Systems, Applications, and Services, MobiSys 2019, Seoul, Republic of Korea, June 17-21, 2019*, ACM, 2019, pp. 659–660. DOI: 10.1145/3307334.3328570.

## HIGHLIGHTS

- 🏆 **Best Demo Runner-up Award**  
at 17th ACM MobiSys Conference
- 🏆 **Best Poster Award**  
at 19th ACM HotMobile Workshop
- 💖 **Graduate Scholarship**  
for perfect GPA throughout MS @ ASU

## SKILLS

C++   Python   PyTorch   OpenCV  
GANs   NeRFs   Blender   Unity 3D

Research writing, review, and presentation  
Detail oriented   Teaching   Training

## LANGUAGES

English   ● ● ● ● ●  
Hindi (native)   ● ● ● ● ●

## EDUCATION

### Ph.D. in Computer Science

INRIA, Sophia Antipolis - Méditerranée, France

📅 2019 – 2022

Thesis title: Using Appearance to Efficiently Render and Edit Captured Scenes.

### M.S. in Computer Science

Arizona State University, USA

📅 2016 – 2018

Thesis title: Generating Light Estimation for Mixed-reality Devices through Collaborative Visual Sensing.

### B.Tech. (Hons.) in Computer Science and Engineering

IIIT Hyderabad, India

📅 2012 – 2016

Hons. Thesis title: Analysis of De-focus Blur for Post-capture Image Manipulations.

## REFEREES

Available on Request