

# Chen Gao

+1 (206) 532 0606  
✉ gaochen@meta.com  
📄 chengao.vision  
Last update: 2023/10/09

## Education

- 2018–2022 **Virginia Tech.**  
Ph.D. in Computer Engineering  
Advisor: Jia-Bin Huang
- 2015–2017 **University of Michigan, Ann Arbor.**  
Master of Science in Electrical and Computer Engineering  
Advisor: Raj Rao Nadakuditi
- 2013–2015 **Oregon State University.**  
Bachelor of Science in Electrical and Computer Engineering  
Minor in Computer Science

## Work Experience

- 2022–Present **Meta, Seattle**  
Research Scientist in the Computational Photography Team
- Summer 2021 **Google, Cambridge**  
Research Intern in the VisCam Team. Host: Michael Krainin & Miki Rubinstein
- Summer 2020 **Google, Mountain View**  
Research Intern in the Android Camera Algorithm Team. Host: YiChang Shih & Wei-Sheng Lai
- Summer 2019 **Facebook, Seattle**  
Research Intern in the Computational Photography Team. Host: Johannes Kopf

## Publications

- ICCV 2023 OmnimatteRF: Robust Omnimatte with 3D Background Modeling  
Geng Lin, **Chen Gao**, Jia-Bin Huang, Changil Kim, Yipeng Wang, Matthias Zwicker, Ayush Saraf  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- CVPR 2023 Progressively Optimized Local Radiance Fields for Robust View Synthesis  
Andreas Meuleman, Yu-Lun Liu, **Chen Gao**, Jia-Bin Huang, Changil Kim, Min H. Kim, Johannes Kopf  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- CVPR 2023 Robust Dynamic Radiance Fields  
Yu-Lun Liu, **Chen Gao**, Andreas Meuleman, Hung-Yu Tseng, Ayush Saraf, Changil Kim, Yung-Yu Chuang, Johannes Kopf, Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- arXiv preprint Portrait Neural Radiance Fields from a Single Image  
**Chen Gao**, Yichang Shih, Wei-Sheng Lai, Chia-Kai Liang, Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#)
- ICCV 2021 Dynamic View Synthesis from Dynamic Monocular Video  
**Chen Gao**, Ayush Saraf, Johannes Kopf, Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- ECCV 2020 Flow-edge Guided Video Completion  
**Chen Gao**, Ayush Saraf, Jia-Bin Huang, Johannes Kopf  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- ECCV 2020 DRG: Dual Relation Graph for Human-Object Interaction Detection  
**Chen Gao**, Jiarui Xu, Yuliang Zou, Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)

- ECCV 2020 NAS-DIP: Learning Deep Image Prior with Neural Architecture Search  
Yun-Chun Chen\*, **Chen Gao**\*, Esther Robb, Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- NeurIPS 2019 Why Can't I Dance in the Mall? Learning to Mitigate Scene Bias in Action Recognition  
Jinwoo Choi, **Chen Gao**, Joseph Messou, Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- BMVC 2018 iCAN: Instance-Centric Attention Network for Human-Object Interaction Detection  
**Chen Gao**, Yuliang Zou, and Jia-Bin Huang  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- GlobalSIP 2017 Augmented Robust PCA for Foreground-background Separation on Noisy, Moving Camera Video  
**Chen Gao**, Brian E. Moore, Raj Rao Nadakuditi  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)
- TCI 2019 Panoramic Robust PCA for Foreground-Background Separation on Noisy, Free-Motion Camera Video  
**Chen Gao**\*, Brian E. Moore\*, Raj Rao Nadakuditi  
[\[Paper\]](#) [\[Project\]](#) [\[Code\]](#)

---

## Academic Services

- Conference ACCV 2020, BMVC 2019-2022, CVPR 2020-2022, ICCV 2021, ICML 2021, ICLR 2021, NeurIPS 2020-2022,  
Reviewer: SIGGRAPH 2021-2022, WACV 2020-2022
- Journal TPAMI, TCI, IJCV  
Reviewer: