

CONTACT
INFO

鞏炳辰

Paris, France

☎ S2.HK

☎ (+33) 6 86 57 74 20

in <https://www.linkedin.com/in/wenri>

EDUCATION

The University of Hong Kong (Advisor: Prof. Yizhou Yu)

2016 - 2021

- Ph.D., Deep Learning in Computer Vision & Computer Graphics
- Thesis: [Local Structure Encoding and Representation in 2D and 3D Synthesis](#)

EXPERIENCE

Postdoctoral Fellow @ LIX, École Polytechnique

Jun 2024 - Present

- with Prof. Maks Ovsjanikov

Postdoctoral Fellow @ The Chinese University of Hong Kong Jul 2022 - May 2024

- Med-AIR Lab (with Dr. Qi Dou)
- Conducted research in computer vision & graphics: implemented and extended 3D appearance and volumetric editing with implicit Neural Radiance Fields (NeRF)

Visiting Scholar @ The Chinese University of Hong Kong (Shenzhen) 2019 - 2020

- GAP Lab (with Dr. Xiaoguang Han)

Research Intern @ Deepwise Inc., Beijing

Jul 2018 - Jan 2019

- Worked on semi-supervised learning for AI-aided medical image diagnosis

Visiting Researcher @ Columbia University

Sep 2015 - Apr 2016

- Digital Video & Multimedia (DVMM) Lab (with Prof. Shih-Fu Chang)

PUBLICATIONS

1. Diego Gomez, **Bingchen Gong**, Maks Ovsjanikov. [FourierRF: Few-Shot NeRFs via Progressive Fourier Frequency Control](#). 3DV 2025
2. Yuehao Wang, Chaoyi Wang, **Bingchen Gong**, Tianfan Xue. [Bilateral guided radiance field processing](#). ACM TOG 2024.
3. **Bingchen Gong***, Yuehao Wang*, Xiaoguang Han, and Qi Dou. [SeamlessNeRF: Stitching Part NeRFs with Gradient Propagation](#). SIGGRAPH Asia 2023.
4. **Bingchen Gong***, Yuehao Wang*, Xiaoguang Han, and Qi Dou. [RecolorNeRF: Layer Decomposed Radiance Field for Efficient Color Editing of 3D Scenes](#). ACM MM 2023.
5. Haoyu Ma*, **Bingchen Gong***, and Yizhou Yu. [Structure-Aware Meta-Fusion for Image Super-Resolution](#). ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM) 18, no. 2 (2022): 1-25.
6. **Bingchen Gong**, Yinyu Nie, Yiqun Lin, Xiaoguang Han, and Yizhou Yu. [ME-PCN: Point Completion Conditioned on Mask Emptiness](#). IEEE International Conference on Computer Vision (ICCV), October 2021.
7. Weifeng Ge*, **Bingchen Gong***, and Yizhou Yu. [Image Super-Resolution via Deterministic-Stochastic Synthesis and Local Statistical Rectification](#). SIGGRAPH Asia 2018, Tokyo, December 2018 (ACM Transactions on Graphics, Vol 37, No 6, 2018).
8. **Bingchen Gong**, Brendan Jou, Felix Yu, and Shih-Fu Chang. [Tamp: A Library for Compact Deep Neural Networks with Structured Matrices](#). In Proceedings of the 24th ACM international conference on Multimedia, pp. 1206-1209. 2016.
9. Zicheng Liao, Yizhou Yu, **Bingchen Gong**, and Lechao Cheng. [audeosynth: Music-Driven Video Montage](#). SIGGRAPH 2015, Los Angeles, August 2015 (ACM Transactions on Graphics, Vol 34, No 4, 2015).