

# Guying Lin

(+1)4129099613 | [carrie-lin.github.io](https://carrie-lin.github.io) / [guyingl@andrew.cmu.edu](mailto:guyingl@andrew.cmu.edu)

## EDUCATION

<b>Carnegie Mellon University</b> <i>PhD in Computer Science</i>	PA, USA <i>Sept. 2024 – Present</i>
<b>The University of Hong Kong</b> <i>MPhil in Computer Science</i>	HK, China <i>Sept. 2022 – Aug. 2024</i>
<ul style="list-style-type: none"><li>• <b>Advisor:</b> Prof. Minchen Li</li><li>• <b>Advisors:</b> Prof. Wenping Wang and Prof. Taku Komura</li><li>• Fully funded by HKU postgraduate scholarship</li></ul>	
<b>Zhejiang University</b> <i>Bachelor of Engineering</i>	Zhejiang, China <i>Sept. 2018 – July 2022</i>
<ul style="list-style-type: none"><li>• CHU KOCHEN Honors College</li><li>• <b>Cumulative GPA:</b> 3.94/4.00 (top 5%)</li></ul>	

## PUBLICATIONS

1. **Guying Lin\***, Lei Yang\*, Congyi Zhang, Hao Pan, Yuhang Ping, Guodong Wei, Taku Komura, John Keyser, Wenping Wang. Patch-Grid: An efficient and feature-preserving neural implicit surface representation. *Neural Parametric Surfaces for Shape Modeling*. ACM Transactions on Graphics (TOG), 2025.
2. **Guying Lin\***, Lei Yang\*, Yuan Liu, Congyi Zhang, Junhui Hou, Xiaogang Jin, Taku Komura, John Keyser, Wenping Wang. On Optimal Sampling for Learning SDF Using MLPs Equipped with Positional Encoding. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2025.
3. Congyi Zhang\*, **Guying Lin\***, Lei Yang, Xin Li, Taku Komura, Scott Schaefer, John Keyser, Wenping Wang. Surface extraction from neural unsigned distance fields. *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, 2023
4. Lingting Zhu, **Guying Lin**, Jinnan Chen, Xinjie Zhang, Zhenchao Jin, Zhao Wang, Lequan Yu. Large Images are Gaussians: High-quality Large Image Representation with Levels of 2D Gaussian Splatting. *The Annual AAAI Conference on Artificial Intelligence (AAAI)*, 2025
5. Peng Wang, Yuan Liu, **Guying Lin**, Jiatao Gu, Lingjie Liu, Taku Komura, Wenping Wang. ProLiF: Progressively-connected Light Field network for efficient view synthesis. *Computers & Graphics*, 2024.
6. Lingting Zhu, Zhao Wang, Zhenchao Jin, **Guying Lin**, Lequan Yu. Deformable endoscopic tissues reconstruction with gaussian splitting. *International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI EARTH)*, 2024.
7. Lei Yang, Yongqing Liang, Xin Li, Congyi Zhang, **Guying Lin**, Alla Sheffer, Scott Schaefer, John Keyser, Wenping Wang. Neural parametric surfaces for shape modeling. *Arxiv 2309.09911*.

## PROFESSIONAL SERVICE

- Teaching Assistant at HKU: *Computer Vision* and *Java Programming*
- Reviewer for *SIGGRAPH 2025*

## AWARDS

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- {2019-2020, 2020-2021, 2021-2022} Scholarship for Pilotage (CHU KOCHEN Honors College Outstanding Students Awards)
- 2019-2020 WangLaoJi Scholarship
- 2020-2021 ZJU First-grade Scholarship
- 2021-2022 Zhejiang Provincial Government Scholarship
- 2019 Second Class Prize in Mathematics Competition for College Students in Zhejiang Province
- 2022 Honored Graduate of CHU KOCHEN Honors College
- 2022 Honored Graduate of Zhejiang University

## PERSONAL

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- **Languages:** Mandarin (native), English (fluent; TOEFL: 110)
- **Technical Skills:** Python, C++, Unreal Engine4, Substance 3D Painter, Maya, Unity, Zbrush, React
- **Hobbies:** Sketch, Watercolor Painting, Chinese Calligraphy, Latin Dance, Cooking
- **Extracurricular Activities:** Intern journalist at Qianjiang Evening News, Minister of ZJU Youth Volunteer Association