

Lizhi Chen

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Building 9003, Tsinghua Garden, Haidian District, Beijing, China
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Education

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| 2018–present | Ph.D. in Optical Engineering, Tsinghua University, Beijing, China
Advisor: <i>Hao Zhang</i> [Google Scholar] |
| 2014–2018 | B.S. in Optical Engineering, Beijing Institute of Technology, Beijing, China
Advisor: <i>Dewen Cheng</i> [Google Scholar] |

Research Interests

- Computational Optics, Holography, Diffractive Optics, Light Transport
- Computational Displays, Computational Imaging, Augmented Reality, Virtual Reality

Awards & Honors

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| 2021 | Outstanding Scholarship for Graduate Students, Tsinghua University, China |
| 2018 | Outstanding Graduate Student, Beijing Institute of Technology, China |
| 2018 | First Prize in National Colledge Students Opto-electronic Design Contest, China |
| 2017 | National Scholarship for Undergraduate Students, Ministry of Education, China [top 3%] |

Employment

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| 2021/06–2021/08 | Research Intern, Augment Reality Group at Jingwei Hirain Corp., Tianjin. |
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Skills & Expertise

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| Optics | Simulation [MATLAB], Modeling [VirtualLab], Design [Zemax]. |
| Programming | Matlab, Python, Pytorch, C. |
| Languages | Mandarin Chinese, English. |

Selected Publications

*corresponding author,

4. S. Tian, **L. Chen**, H. Zhang*, *Optimized fresnel phase hologram for ringing artifacts removal in lensless holographic projection*, [Appl. Opt.](#) **24**(20), B17-B24 (2022).
3. **L. Chen**, S. Tian, H. Zhang*, L. Cao, G. Jin, *Phase hologram optimization with bandwidth constraint strategy for speckle-free optical reconstruction*, [Opt. Express](#) **29**(8), 11645-11663 (2021).
2. **L. Chen**, H. Zhang*, L. Cao, G. Jin, *Non-iterative phase hologram generation with optimized phase modulation*, [Opt. Express](#) **4**(13), 11380-11392 (2020).
1. **L. Chen**, H. Zhang*, Z. He, X. Wang, L. Cao, G. Jin, *Weighted constraint iterative algorithm for phase hologram generation*, [Appl. Sci.](#) **10**(10), 3652 (2020).