

# Yicheng (Albert) Zhan

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## EDUCATION

Ph.D. candidate (2 <sup>nd</sup> year)	Jan. 2024 - Now
University College London - Computational Light Laboratory	London, United Kingdom
<ul style="list-style-type: none"><li><b>Core Fields:</b> Computer-Generated Holography, Computer Graphics, Computer Vision, Computational Displays.</li><li><b>Thesis Title:</b> Advanced Algorithms for Next-Generation Computational Displays. (<b>Mentor:</b> Assoc. Prof. Kaan Akşit)</li></ul>	
M.Sc. in Computer Graphics and Vision Imaging	Sep. 2021-Sep. 2022
University College London	London, United Kingdom
<ul style="list-style-type: none"><li><b>Graduate Result:</b> First Class Distinction</li><li><b>Dissertation Title:</b> <a href="#">Urban Semantic Understanding</a>. (<b>Supervisor:</b> Assoc. Prof. Melinos Averkiou)</li></ul>	
BS in Software Engineering and Computer Science	Sep. 2018- Sep. 2021
King's College London	London, United Kingdom
<ul style="list-style-type: none"><li><b>Graduate Result:</b> First Class Honors</li><li><b>Awards:</b> Received <a href="#">King's Undergraduate Research Fellowship</a> for excellent academic performance.</li><li><b>Dissertation:</b> <a href="#">Slackbot Security Evaluation</a>. (<b>Supervisor:</b> Prof. Jose Such)</li></ul>	

## WORK EXPERIENCE

Neural Representation   Research Intern	Apr. 2025- Sept. 2025
Huawei Technologies Research & Development Ltd (Supervisor: Dr. Arthur Moreau)	London, United Kingdom
<ul style="list-style-type: none"><li>4DGS generation, Human pose estimation.</li></ul>	
Crime Linkage Analysis   Research Assistant	July. 2023- Jan. 2025
Imperial College London (Supervisor: Assoc. Prof. Dalal Alrajeh)	London, United Kingdom
<ul style="list-style-type: none"><li>Designed advanced machine learning networks to enhance efficiency and accuracy in crime linkage analysis.</li></ul>	
Computer Vision   Research Assistant	Apr. 2023- Dec.2023
University of Leeds (Supervisor: Dr. Raheleh Jafari)	Leeds, United Kingdom
<ul style="list-style-type: none"><li>Developed efficient algorithms for fashion clothing segmentation and color extraction in computer graphics. Utilized advanced network architectures and knowledge distillation for precise and effective segmentation.</li></ul>	
AI Programmer   Intern	Jul. 2020- Sep. 2020
Microsoft China (Supervisor: Dr. Wenbin Cai)	Beijing, China
<ul style="list-style-type: none"><li>Developed a universal web crawler to scrape daily news, simulating search engine behavior for an online news-feeding application.</li></ul>	

## PUBLICATIONS

- Yicheng Zhan**, Dong-Ha Shin, Seung-Hwan Baek, and Kaan Akşit, “Complex-Valued Holographic Radiance Fields” 2025. (In preparation) ([Web](#))
- Yicheng Zhan**, Qi Sun, Liang Shi, Wojciech Matusik, and Kaan Akşit, “Towards Configurable Learned Holography” 2024. (In preparation) ([Web](#))
- Yicheng Zhan**, Koray Kavaklı, Hakan Urey, Qi Sun, and Kaan Akşit, “AutoColor: Learned Light Power Control for Multi-Color Holograms” *SPIE VR/AR/MR* 2024. ([Web](#))
- Chuanjun Zheng, **Yicheng Zhan**, Liang Shi, Ozan Cakmakci and Kaan Akşit, “Focal Surface Holographic Light Transport using Learned Spatially Adaptive Convolutions” *ACM SIGGRAPH ASIA 2024 Tech Comm*. ([Web](#))
- Zicong Peng, **Yicheng Zhan**, Josef Spjut, and Kaan Akşit, “Assessing Learned Models for Phase-only Hologram Compression” *ACM SIGGRAPH 2025 Posters*. ([Web](#))

## SKILLS

Language skills: English (fluent), Chinese (native), Spanish (Intermediate)

Interests: Compose music ([Spotify](#), [NetEase Music](#)).