

Yicheng (Albert) Zhan

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EDUCATION

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

WORK EXPERIENCE

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| Neural Representation Research Intern | Mar. 2025- Sept. 2025 |
| Huawei Technologies Research & Development Ltd (Supervisor: Dr. Arthur Moreau) | London, United Kingdom |
| <ul style="list-style-type: none">4DGS generation, Human pose estimation. | |
| 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">Designed advanced machine learning networks to enhance efficiency and accuracy in crime linkage analysis. | |
| Computer Vision Research Assistant | Apr. 2023- Dec.2023 |
| University of Leeds (Supervisor: Dr. Raheleh Jafari) | Leeds, United Kingdom |
| <ul style="list-style-type: none">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. | |
| AI Programmer Intern | Jul. 2020- Sep. 2020 |
| Microsoft China (Supervisor: Dr. Wenbin Cai) | Beijing, China |
| <ul style="list-style-type: none">Developed a universal web crawler to scrape daily news, simulating search engine behavior for an online news-feeding application. | |

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](#)).