Ziyang Chen

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Summary

Ziyang Chen is currently a PhD student at Computational Light Laboratory led by Kaan Akşit in University College London. He earned his Bachelor of Science degree in Computer Science from King's College London, UK, in 2021, followed by a Master's degree in Computer Graphics, Vision, and Imaging from University College London, UK, in 2023. Ziyang is deeply interested in computational imaging.

Experience

- **Teaching Assistant** at University College London (2024–2026)
  Ziyang worked as a Teaching Assistant for Systems Engineering COMP0016 at University College London.
- **Python Developer Intern** at Lenovo (2021–2022)
  Ziyang worked as a Python Developer Intern at Lenovo, where he contributed to various projects involving software development and data analysis.

Education

- **Doctor of Philosophy**
  University College London (2023–)
- **Master of Science**, Computer Graphics, Vision, and Imaging (Distinction)
  University College London (2022–2023)
- **Bachelor of Science**, Computer Science with Management (First Class Honours)
  King's College London (2018–2021)

Awards

- Honorable Mention Award for *SpecTrack: Learned Multi-Rotation Tracking via Speckle Imaging* (SIGGRAPH Asia 2024 Posters, 2024)

Publications

- **SpecTrack: Learned Multi-Rotation Tracking via Speckle Imaging**, Chen, Ziyang and Doğan, Mustafa Doğa and Spjut, Josef and Akşit, Kaan,
  SIGGRAPH Asia 2024 Posters, 2024. DOI: 10.1145/3681756.3697875
- **Learned Display Radiance Fields with Lensless Cameras**, Ziyang Chen and Yuta Itoh and Akşit, Kaan,
  SIGGRAPH Asia 2025 Technical Communications (SA Technical Communications '25), 2025. DOI: 10.1145/3757376.3771381
- **Content-adaptive targeting scheme for holographic displays**, Chen, Ziyang and Kim, Dongyeon and Mantiuk, Rafal and Akşit, Kaan,
  Optical Architectures for Displays and Sensing in Augmented, Virtual, and Mixed Reality (AR, VR, MR) VI, 2025. DOI: 10.1117/12.3040567