# Binglun Wang ucabbw5@ucl.ac.uk Goodenough College, London WC1N 2AN

## *EDUCATION*

- **University College London** 09.2022 – present
  - Fully funded 4-year PhD student in Computer Science (10.2024 - 09.2028)
    Research topic: Physics-based Character-Fluid Animation
  - Distinction, MSc. in Computer Graphics, Vision and Imaging (09.2022 - 09.2023)
    Ranking & award: Top 5%; Best thesis honourable mention.
    Thesis: Instant-NeRF2NeRF edit neural radiance field in seconds [link].
- **The University of Birmingham** 09.2021 – 09.2022
  - Distinction, MSc. in Artificial Intelligence and Machine Learning.
    Thesis: Anomaly detection based on adversarial screening [pdf].
- **The University of Essex** 09.2017 – 07.2021
  - BSc. in Electronic System Engineering.
  - B.Eng. in Electronic Information Science and Technology at Northwest University (Joint programme)
    First-class scholarship. Final year project: Image classification in deep learning.

## *PUBLICATION*

- **Wang, B.**, Dutt, N.S. and Mitra, N.J., 2024. Proteusnerf: Fast lightweight nerf editing using 3d-aware image context. Proceedings of the ACM on Computer Graphics and Interactive Techniques, 7(1), pp.1-17. [project page].

## *RESEARCH EXPERIENCES*

- **Research Intern** at Adobe Research 07.2024 – present
  - Work with Dr Duygu Ceylen at Adobe Research Computer Graphics Group to explore 3D texturing.
- **Research Assistant** at University College London 05.2023 – present
  - Work with Prof Niloy Mitra at Smart Geometry Processing Group to explore 3D/4D editing.
  - Work with Prof Raymond Dolan and Dr Kevin Li at Max Planck UCL Centre to explore "how human brain analysis physics" using machine learning methods. e.g. Parabolic motion of a ball.
- **Research Assistant** at University of Cambridge 10.2023 – 01.2024
  - Work with Dr Fangcheng Zhong to explore 3D hybrid semantic representation.

## *OTHER EXPERIENCES*

- **Chair** of AI and Machine Learning Society at Goodenough College 09.2023 – present
- **Coach** of international programming contest teams 12.2019 – 10.2021
  - The team of Northwest University for ACM-International Collegiate Programming Contest (ACM-ICPC)
  - The team of High School Affiliated to Renmin University of China for The Olympiad in Informatics
  - >10 won 1st prizes in National Olympiad in Informatics in Provinces; 2 won gold and silver medals in the Asia-Pacific Informatics Olympiad 2020 & 2021 and joined the China national junior Olympiad team.
  - Taught modules: graph theory; number theory; game theory; dynamic programming and data structures.
- **Silver Medallist**, ACM-ICPC Asia-East Continent Final [pdf] 2019
  - Rank 2% among > 3000 teams. Team leader.
  - Team leader. Obtained 4 silver medals in total in ACM-ICPC regional contests [2, 3, 4]