

# Hengyi Wang

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## Education

- 01/23–01/27 **PhD Foundational Artificial Intelligence**, *University College London*.  
Topic: Neural Surface Reconstruction from Video  
Supervisor: Prof. Lourdes Agapito
- 09/21–09/22 **MSc Computer Graphics, Vision, and Imaging**, *University College London*.  
Grade: Distinction  
Thesis: Neural Representations for 3D Reconstruction  
Supervisor: Prof. Lourdes Agapito
- 09/17–06/21 **BSc Telecommunication Engineering**, *Queen Mary University of London*.  
Joint degree programme with Beijing University of Posts and Telecommunications  
Grade: First class honours, principal prize  
Thesis: Online Learning for Semi-supervised Video Object Segmentation  
Supervisor: Prof. Changjae Oh

## Publications

- CVPR24 **Hengyi Wang**, Jingwen Wang, and Lourdes Agapito. MorpheuS: Neural Dynamic 360 degree Surface Reconstruction from Monocular RGB-D Video.
- CVPR23 **Hengyi Wang**, Jingwen Wang, and Lourdes Agapito. Co-SLAM: Joint Coordinate and Sparse Parametric Encodings for Neural Real-Time SLAM.
- ICME22 **Hengyi Wang** and Changjae Oh. Boosting video object segmentation based on scale inconsistency.
- ICASSP22 **Hengyi Wang**, Chaoran Zhu, Ziyin Ma, and Changjae Oh. Improving generalization of deep networks for estimating physical properties of containers and fillings. The Corsmal Challenge.

## Awards

- 01/23-01/27 **UCL Research Studentship**.  
4 year fully funded PhD studentship from Cisco
- 06/22 **CORSMAL Challenge Winner Prize**.  
Received 1800 pounds for ranking 1<sup>st</sup> at CORSMAL challenge
- 06/21 **Queen Mary Principal Prize**.  
Received for excellent academic performance throughout the undergraduate study (2%)
- 06/21 **Distinguished Bachelor Thesis**.  
Thesis Topic: Online Learning for Semi-supervised Video Object Segmentation (1%)

## Skills

Programming Python, Java, Matlab, C | PyTorch, OpenCV, Sklearn | Git, Linux, Latex, Docker  
Language Chinese, English