

# Ziwen LU

## PERSONAL INFO

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## EDUCATION

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- 2021-25 **PhD COMPUTER SCIENCE**  
**University College London**
- 2017-18 **MSc ROBOTICS AND COMPUTATION**  
**University College London**
- 2015-17 **BEng ELECTRICAL AND ELECTRONIC ENGINEERING**  
**University of Nottingham FIRST CLASS**
- 2013-15 **BEng ELECTRICAL AND ELECTRONIC ENGINEERING**  
**University of Nottingham, Ningbo, China**

## PUBLICATION

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- 2023 **Reviving Euston Arch: A Mixed Reality Approach to Cultural Heritage Tours**  
Ziwen Lu, Jingyi Zhang, Kalila Shapiro, and Nels Numan  
IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct), 2023  
Honorable Mention for Best Design, ISMAR Student Competition
- [DC] Outdoor AR Tracking Evaluation and Tracking with Prior Map**  
Ziwen Lu  
IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW), 2023
- Exploiting Semantic and Public Prior Information in MonoSLAM**  
Nel Numan, Ziwen Lu, Benjamin Congdon, Daniele Giunchi, Alexandros Rotsidis, et al. IEEE VRW, 2023
- Automated Multimodal Data Capture for Photorealistic Construction Progress Monitoring in Virtual Reality**  
Harvey Stedman, Ziwen Lu, and Vijay Pawar IEEE VRW, 2023
- 2020 **Exploiting Semantic and Public Prior Information in MonoSLAM**  
Chenxi Ye, Yiduo Wang, Ziwen Lu, Igor Gilitschenski, Martin Parsley, Simon J. Julier IROS 2020

## WORK EXPERIENCE

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- 2019-24 **Postgraduate Teaching Assistant**  
UNIVERSITY COLLEGE LONDON  
Courses: Robot Vision and Navigation, Virtual Environments, Machine Vision.
- 2019-22 **Research Assistant** *Robotics Tracking and Navigation*  
UNIVERSITY COLLEGE LONDON  
Autonomous pick and place with the robotic arm on the mobile platform.
- 2018-19 **Robotics Engineer** *Robotics, Control and Machine Vision*  
MO-SYS ENGINEERING LTD  
The investigation, simulation, validation and construction of a AGV prototype. Investigation and validation of a low-cost Optical-Inertial system for visual Tracking