

CHARIG YANG

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EDUCATION

PhD in Information Engineering, University of Oxford	Oct 2020 – Apr 2025
Advisors: Andrew Zisserman and Weidi Xie, Visual Geometry Group (VGG)	
Research: video understanding, self-supervised learning, segmentation, applications	
MEng in Engineering Science, University of Oxford	Oct 2016 – Jun 2020
First Class Honours. Rank: 2/162	

WORK EXPERIENCE

Research Scientist Intern, Meta, USA	Jun – Dec 2024
Project: Multimodal egocentric video understanding	
Research Intern (2x), University of Oxford, UK	Mar – Aug 2019
Oxford-Man Institute of Quantitative Finance; Visual Geometry Group (VGG), Oxford	
Software Engineering Intern (4x), Various Companies	2017 – 2019
CP Group, Thailand; Japan Railways, Japan; Metaswitch (acquired by Microsoft), UK; University of Oxford, UK	

TEACHING EXPERIENCE

Graduate Teaching Assistant, University of Oxford	2020 – 2023
Advanced modules: C18 Computer Vision and Robotics, C19 Machine Learning	
Other modules: P2/A2/B14 Information Engineering (incl. practicals), A1 Mathematics	
Engineering Admissions Tutor, Crimson Education / Freelance	2017 – 2023
A-level physics and mathematics, Oxbridge admission tests, mock interviews, residential programmes	

PUBLICATIONS

Moving Object Segmentation: All you need is SAM (and flow)	
J. Xie, C. Yang , W. Xie, A. Zisserman. In: ACCV, 2024 (Oral Presentation)	
Made to Order: Discovering monotonic temporal changes via self-supervised video ordering	
C. Yang , W. Xie, A. Zisserman. In: ECCV, 2024 (Oral Presentation)	
It's About Time: Analog clock reading in the wild	
C. Yang , W. Xie, A. Zisserman. In: CVPR, 2022	
Self-supervised video object segmentation by motion grouping	
C. Yang , H. Lamdouar, E. Lu, A. Zisserman, W. Xie. In: ICCV, 2021	
Betrayed by Motion: Camouflaged object discovery via motion segmentation	
H. Lamdouar, C. Yang , W. Xie, A. Zisserman. In: ACCV, 2020	

AWARDS

Best Presentation Award , UK Robotics CDT Conference (2022)
Best Paper Award , CVPR Workshop on robust video scene understanding (2021)
Best Poster Award , Information Engineering undergraduate thesis (2020)
Edgell Shepplee Prize for second-best overall academic performance in Engineering (2020)
EPSRC & AIMS Studentship , full PhD scholarship for international students (2020)

ACTIVITIES AND SOCIETIES

Academic Services: Reviewer for CVPR, ECCV, ICCV, NeurIPS, IJCV and associated workshops.
Volunteering: Department staff-student committee (Student Chair, 2017-19), Project Access (Volunteer, 2016-24)
Societies: Engineers Without Borders Oxford (President, 2018-19), Oxford Strategy Group Digital (Director, 2018-20), Oxford University Poker Society (Treasurer/Varsity Team member, 2023-24), Oxford Thai Society (President, 2017-18)