

## CHARIG YANG

charigyang.github.io | charig@robots.ox.ac.uk

### EDUCATION

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

### WORK EXPERIENCE

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<b>Research Scientist Intern, Meta, USA</b>	Jun 2024 – Dec 2024
Project: Multimodal egocentric video understanding. Part-time extension until 02/2025 for publication writeup	
<b>Research Intern, University of Oxford, UK</b>	Mar 2019 – Aug 2019
Oxford-Man Institute of Quantitative Finance; Visual Geometry Group (VGG), Oxford	
<b>Software Engineering Intern (4x)</b>	2017 – 2019
CP Group, Thailand; Japan Railways, Japan; Metaswitch (acquired by Microsoft), UK; University of Oxford, UK	

### TEACHING EXPERIENCE

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

### PUBLICATIONS

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

### AWARDS

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- 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 Sheppee Prize** for second-best overall academic performance in Engineering (2020)
  - EPSRC & AIMS Studentship**, full PhD scholarship for international students (2020)

### ACTIVITIES AND SOCIETIES

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- 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)