

CHARIG YANG

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EDUCATION

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

WORK EXPERIENCE

Research Scientist Intern, Meta, USA Project: Long egocentric video understanding with multimodal LLMs	Jun – Dec 2024
Software Engineering Intern, University of Oxford, UK Solely responsible for a software prototype to automate coding assessment for undergraduate projects	Aug – Sep 2020
Software Engineering Intern, CP Group, Thailand Solely responsible for software to automate admin tasks and perform data analytics for a food centre	Jun – Aug 2020
Research Intern, Oxford-Man Institute of Quantitative Finance, UK	Aug – Oct 2019
Software Engineering Intern, Japan Railways, Japan	Jul – Aug 2019
Software Engineering Intern, Metaswitch, UK	Jun – Sep 2018
Telecoms Engineering Intern, True, Thailand	Jun – Aug 2017

TEACHING EXPERIENCE

Graduate Teaching Assistant, University of Oxford Taught: computer vision, machine learning (incl. practicals), robotics and control, mathematics, electronics	2020 – 2023
Engineering Admissions Tutor, Crimson Education / Freelance Taught: A-level physics and mathematics, Oxbridge admission tests, mock interviews, residential programmes	2017 – 2023

PUBLICATIONS

Made to Order: Discovering Monotonic Temporal Changes via Self-supervised Video Ordering C. Yang , W. Xie, A. Zisserman. <i>Under review</i> .
Moving Object Segmentation: All You Need is SAM (and Flow) J. Xie, C. Yang , W. Xie, A. Zisserman. <i>Under review</i> .
It's About Time: Analog Clock Reading in the Wild C. Yang , W. Xie, A. Zisserman. In: <i>Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2022
Self-supervised Video Object Segmentation by Motion Grouping C. Yang , H. Lamdouar, E. Lu, A. Zisserman, W. Xie. In: <i>International Conference on Computer Vision (ICCV)</i> , 2021
Betrayed by Motion: Camouflaged Object Discovery via Motion Segmentation H. Lamdouar, C. Yang , W. Xie, A. Zisserman. In: <i>Asian Conference on Computer Vision (ACCV)</i> , 2020

AWARDS

Best Presentation Award at UK Robotics CDT Conference (2022)
Best Paper Award at CVPR Workshop (2021)
Best Poster Award for 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

Oxford University Poker Society (Treasurer, 2023-24), Project Access (Volunteer Mentor, 2016-24) mentoring scheme for underrepresented groups, Oxford Strategy Group Digital (Director, 2018-20) data science consultancy, Engineers Without Borders Oxford (President, 2018-19) engineering-based development projects, Joint Consultative Committee (Student Chair, 2017-19) department staff-student communication group, Oxford Thai Society (President, 2017-18)
