CHARIG YANG

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EDUCATION

PhD in Information Engineering, University of Oxford — Oct 2020 – Apr 2025
Specialisation: Computer Vision. Thesis: Learning from Time
Advisors: Andrew Zisserman and Weidi Xie, Visual Geometry Group (VGG)
Interests: video understanding, self-supervised learning, multimodal foundation models, vision applications

MEng in Information Engineering, 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 Generative AI
Mentor: Lambert Mathias, Meta Reality Labs

Teaching Design Intern, University of Oxford, UK — Aug – Sep 2020
Business Analytics Intern, CP Group, Thailand — 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 — 2020 – 2023
Taught: Computer Vision, Machine Learning, Robotics, Signal Analysis, Control, Mathematics, Electronics

Engineering Admissions Tutor, Crimson Education / Freelance — 2017 – 2023
Taught: A-level Physics and Mathematics, Oxbridge admission tests (PAT, ENGAA), mock interviews

PUBLICATIONS

Made to Order: Discovering Monotonic Temporal Changes via Self-supervised Video Ordering
C. Yang, W. Xie, A. Zisserman. *Under review.*

Moving Object Segmentation: All You Need is SAM (and Flow)
J. Xie, **C. Yang**, W. Xie, A. Zisserman. *Under review.*

It's About Time: Analog Clock Reading in the Wild
C. Yang, W. Xie, A. Zisserman. In: *Conference on Computer Vision and Pattern Recognition (CVPR), 2022*

Self-supervised Video Object Segmentation by Motion Grouping
C. Yang, H. Lamdouar, E. Lu, A. Zisserman, W. Xie. In: *International Conference on Computer Vision (ICCV), 2021*

Betrayed by Motion: Camouflaged Object Discovery via Motion Segmentation
H. Lamdouar, **C. Yang**, W. Xie, A. Zisserman. In: *Asian Conference on Computer Vision (ACCV), 2020*

AWARDS

Best Presentation Award UK Robotics CDT Conference (2022)
Best Paper Award Workshop on Robust Video Scene Understanding: Tracking and Video Segmentation, CVPR (2021)
Best Poster Award Information Engineering undergraduate thesis (2020)
Edgell Sheppee Prize for second-best overall academic performance in Engineering Science (2020)
EPSRC & AIMS Studentship full scholarship for graduate study 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)