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)

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 AI, Meta Reality Labs

Undergraduate Internships   2017 – 2020
  Software Engineering (4x): CP Group, Thailand; Japan Railways; Metaswitch, UK; University of Oxford
  Research (2x): Oxford-Man Institute of Quantitative Finance; Visual Geometry Group (VGG), Oxford

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. *Under review.*

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 Sheppee 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)