CHARIG YANG

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EDUCATION

University of Oxford   Oct 2020 – Sep 2024
PhD in Information Engineering. Specialisation: Computer Vision
Thesis: Self-supervised Learning from Time
Advisors: Andrew Zisserman and Weidi Xie, Visual Geometry Group (VGG)

University of Oxford   Oct 2016 – Jun 2020
MEng in Information Engineering. First Class Honours (82%, Rank 2/162)

WORK EXPERIENCE

Teaching Design Intern, University of Oxford, UK   Aug 2020 – Sep 2020
Business Analytics Intern, Charoen Pokphand Group, Thailand   Jun 2020 – Aug 2020
Research Intern, University of Oxford, UK   Aug 2019 – Oct 2019
IT/Engineering Intern, Japan Railways, Japan   Jul 2019 – Aug 2019
Software Engineering Intern, Metaswitch Networks, UK   Jun 2018 – Sep 2018
Telecommunications Engineering Intern, True Corporation, Thailand   Jun 2017 – Aug 2017

TEACHING EXPERIENCE

Engineering Science Tutor/Teaching Assistant, University of Oxford   Oct 2020 – Present
Taught: P2 Electronics, A1 Mathematics, A2 Control Theory, B14 Information Engineering Systems, C18 Computer Vision and Robotics, C19 Machine Learning. Demonstrator for Information Engineering Systems practicals
Engineering Admissions Tutor, Crimson Education / Freelance   2017 – 2019 / 2020 – Present
Taught: A-level Physics, Mathematics, and Further Mathematics; Oxbridge admission tests (PAT, ENGAA), and mock interviews.

PUBLICATIONS

Made to Order: Learning and localizing temporal correlations via self-supervised video ordering
Charig Yang, Weidi Xie, Andrew Zisserman
Under review, 2023.

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

Self-supervised Video Object Segmentation by Motion Grouping
Charig Yang, Hala Lamdouar, Erika Lu, Andrew Zisserman, Weidi Xie
In: *International Conference on Computer Vision (ICCV), 2021*

Betrayed by Motion: Camouflaged Object Discovery via Motion Segmentation
Hala Lamdouar, **Charig Yang**, Weidi Xie, Andrew 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 for undergraduate thesis, Information Engineering category (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-), **Project Access** (Volunteer Mentor, 2016-) mentoring scheme into top universities for underrepresented groups, **Oxford Strategy Group Digital** (Director, 2018-20) student-run data science consultancy, **Engineers Without Borders Oxford** (President, 2018-19) student-run engineering-based development projects, **Joint Consultative Committee** (Student Chair, 2017-19) department staff-student communication group, **Oxford Thai Society** (President, 2017-18).