

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 funding 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** student-run data science consultancy (Director, 2018-20), **Engineers Without Borders Oxford** student-run engineering-based development projects (President, 2018-19), **Joint Consultative Committee** department staff-student communication group (Student Chair, 2017-19), **Oxford Thai Society** (President, 2017-18).