

# CHARIG YANG

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## EDUCATION

### University of Oxford

Oct 2020 – Feb 2025

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

Research Scientist Intern – Multimodal Generative AI, Meta, USA

Jun – Dec 2024

Teaching Design Intern, University of Oxford, UK

Aug – Sep 2020

Business Analytics Intern, CP Group, Thailand

Jun – Aug 2020

Research Intern, University of Oxford, UK

Aug – Oct 2019

Software Engineering Intern, Japan Railways, Japan

Jul – Aug 2019

Software Engineering Intern, Metaswitch Networks, UK

Jun – Sep 2018

Telecommunications Engineering Intern, True, Thailand

Jun – Aug 2017

## TEACHING EXPERIENCE

### Teaching Assistant, University of Oxford

2020 – 2023

Taught: Computer Vision, Machine Learning, Robotics, Control, Information Engineering Systems, 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

**Charig Yang**, Weidi Xie, Andrew Zisserman

*Under review.*

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** Information Engineering undergraduate thesis (2020)

**Edgell Shepplee 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).