Charig Yang

charigyang.github.io | charig@robots.ox.ac.uk

EDUCATION

University of Oxford — Oxford, UK
Doctor of Philosophy in Autonomous Intelligent Machines and Systems — Oct 2020 – Sep 2024

University of Oxford — Oxford, UK
Master of Engineering in Engineering Science, First Class Honours (82%, Rank 2/162) — Oct 2016 – Jun 2020

WORK EXPERIENCE

Charoen Pokphand Group — Bangkok, Thailand
Business Analytics Intern — Jun 2020 – Aug 2020
Built software packages to generate sales report and perform data analytics for restaurants in a shopping mall.

University of Oxford — Oxford, UK
Research Intern — Aug 2019 - Oct 2019
Research assistant at Visual Geometry Group and Oxford-Man Institute of Quantitative Finance.

Japan Railways — Tokyo, Japan
IT/Engineering Intern — Jul 2019 - Aug 2019
Work attachment with Suica department (IC tickets, e-money platforms, credit cards).

Metaswitch Networks — Coventry, UK
Software Engineering Intern — Jun 2018 – Sep 2018
Built software packages in Python for Voice over LTE testing.

True Corporation — Samut Prakan, Thailand
Telecommunications Engineering Intern — Jun 2017 – Aug 2017
Identified and rectified problems regarding weak 3G/4G signals in Southern Bangkok region.

TEACHING EXPERIENCE

University of Oxford — Oxford, UK
Tutor in Engineering Science — Oct 2020 – Present

Modules taught (2020/21): P2 Electronic and Information Engineering (4 tutorials, 13 students), A1 Mathematics (1 tutorial, 14 students), C19 Machine Learning (4 tutorials, 1 student). Student feedback can be provided.

University of Oxford — Oxford, UK
Teaching Design Intern — Aug 2020 – Sep 2020
Explored methods to holistically assess undergraduates in their Engineering Computation Project (B1) by adding a coding assessment component. Developed a pilot solution on MATLAB Grader.

Crimson Education — London, UK
Engineering Admissions Tutor (Contract, Part-time) — Jul 2017 – Jun 2019
Taught A-level Physics and Mathematics content, as well as provide preparation for candidates applying for Engineering courses in the UK in the form of admissions test preparation and mock interview.

PUBLICATIONS

Self-supervised Video Object Segmentation by Motion Grouping
Charig Yang, Hala Lamdouar, Erika Lu, Andrew Zisserman, Weidi Xie
Under review.

Betrayed by Motion: Camouflaged Object Discovery via Motion Segmentation
Hala Lamdouar, **Charig Yang**, Weidi Xie, Andrew Zisserman
Asian Conference on Computer Vision (ACCV), 2020

AWARDS

EPSRC & AIMS Studentship full funding for graduate study for international students (2020-24)
Edgell Sheppee Prize for second-best overall academic performance in Engineering Science (2020)
Highly Commended Prize for best Information Engineering thesis exhibit (2020)