

Charig Yang

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

EDUCATION

University of Oxford

Doctor of Philosophy in Autonomous Intelligent Machines and Systems

Oxford, UK

Oct 2020 – Sep 2024

University of Oxford

Master of Engineering in Engineering Science, First Class Honours (82%, Rank 2/162)

Oxford, UK

Oct 2016 – Jun 2020

WORK EXPERIENCE

Business Analytics Intern

Charoen Pokphand Group

Jun 2020 – Aug 2020

Bangkok, Thailand

- Built software packages to generate sales report and perform data analytics for restaurants in a shopping mall.

Research Intern

University of Oxford

Aug 2019 – Oct 2019

Oxford, UK

- Research assistant at Visual Geometry Group and Oxford-Man Institute of Quantitative Finance.

IT/Engineering Intern

East Japan Railway Company

Jul 2019 – Aug 2019

Tokyo, Japan

- Work attachment with Suica department (IC tickets, e-money platforms, credit cards).

Software Engineering Intern

Metaswitch Networks

Jun 2018 – Sep 2018

Coventry, UK

- Built software packages in Python for Voice over LTE testing.

Telecommunications Engineering Intern

True Corporation

Jun 2017 – Aug 2017

Samut Prakan, Thailand

- Identified and rectified problems regarding weak 3G/4G signals in Southern Bangkok region.

TEACHING EXPERIENCE

Tutor in Engineering Science

University of Oxford

Oct 2020 – Present

Oxford, UK

- 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.

Teaching Design Intern

Department of Engineering Science, University of Oxford

Aug 2020 – Sep 2020

Oxford, UK

- 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.

Engineering Admissions Tutor

Crimson Education (Contract, Part-time)

Jul 2017 – Jun 2019

London, UK

- 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 Shepplee Prize for second-best overall academic performance in Engineering Science (2020)

Highly Commended Prize for best Information Engineering thesis exhibit (2020)