

# TZE HO ELDEN TSE

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## EDUCATION

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### University of Birmingham, United Kingdom

*Feb. 2020 - present*

Ph.D. in Computer Science

Supervised by Dr. Hyung Jin Chang, Dr. Kwang In Kim and Prof. Aleš Leonardis

Research area: Graph Neural Networks in Computer Vision

### Cranfield University, United Kingdom

*Sept. 2018 - Jun. 2020*

PGDip in Engineering Competence

Part of BAE Systems graduate scheme

### University of Oxford, United Kingdom

*Oct. 2014 - Jul. 2018*

M.Eng in Engineering Science (First Class Honours, 78%)

Specialised in Information Engineering

## PUBLICATIONS

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### Collaborative Learning for Hand and Object Reconstruction with Attention-guided Graph Convolution

**Tze Ho Elden Tse**, Kwang In Kim, Aleš Leonardis, Hyung Jin Chang

*IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2022)*

### TP-AE: Temporally Primed 6D Object Pose Tracking with Auto-Encoders

Linfang Zheng, Aleš Leonardis, **Tze Ho Elden Tse**, Nora Horanyi, Wei Zhang, Hua Chen, Hyung Jin Chang

*The 39th IEEE Conference on Robotics and Automation (ICRA 2022)*

### No Need to Scream: Robust Sound-based Speaker Localisation in Challenging Scenarios

**Tze Ho Elden Tse**, D. De Martini and L. Marchegiani

*The 11th International Conference on Social Robotics (ICSR 2019)*

## WORK EXPERIENCE

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### BAE Systems, United Kingdom

*Sept. 2018 - Jul. 2021*

*PLD Engineer*

- A 2-year graduate scheme and rolled off as a PLD Engineer

## TEACHING

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### Teaching Assistant

[02/2022-07/2022] Computer Vision and Imaging

[09/2021-07/2022] MSc Computer Science project

[09/2021-01/2022] Programming for Data Science and AI

## ACADEMIC SERVICES

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### Reviewer

CVPR 2022, 2021; ICCV 2021; BMVC 2021; NeurIPS 2020

## TECHNICAL STRENGTHS

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### Programming Languages

Python, SystemVerilog, VHDL, MATLAB

### Libraries

PyTorch, PyTorch Geometric, OpenCV