

SAGAR VAZE

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EDUCATION

Visual Geometry Group, Oxford University

10/19 - 04/24 (*Expected*)

PhD student in Machine Learning and Computer Vision

Co-supervised by Profs. Andrew Zisserman and Andrea Vedaldi

Funded by Facebook AI Research Scholarship

Brasenose College, Oxford University

October 2014 - June 2018

First Class Honours, Master of Engineering Science

Thesis: Segmentation of Adipose Tissue in Fetal Ultrasounds Using CNNs. **Qualcomm Award for Best Biomedical 4th Year Project.**

SELECTED PUBLICATIONS

GeneCIS: a Benchmark For General Conditional Image Similarity

CVPR, 2023. (Highlighted Paper) Sagar Vaze, Nicolas Carion & Ishan Misra

Zero-Shot Category-Level Object Pose Estimation

ECCV, 2022. Walter Goodwin*, Sagar Vaze*, Ioannis Havoutis & Ingmar Posner

Generalized Category Discovery

CVPR, 2022. Sagar Vaze, Kai Han, Andrea Vedaldi & Andrew Zisserman

Open-set Reconvolution: A Good Closed-Set Classifier is All You need

ICLR, 2022. (Oral) Sagar Vaze, Kai Han, Andrea Vedaldi & Andrew Zisserman

Semantically Grounded Object Matching for Robust Robotic Scene Rearrangement

ICRA, 2022 Walter Goodwin, Sagar Vaze, Ioannis Havoutis & Ingmar Posner

Low-Memory CNNs Enabling Realtime Ultrasound Segmentation Towards Mobile Deployment

JBHI Special Issue: Deep Learning in Ultrasound Imaging, April 2020. Impact Factor 4.2. Sagar Vaze, Weidi Xie & Ana Namburete

PROFESSIONAL RESEARCH EXPERIENCE

Research Intern, FAIR (New York)

July 2022 - October 2022

Worked on learning conditional visual representations (w/ Ishan Misra).

Machine Learning Consultant, (DeepPlanet, YepicAI)

June 2019 - 2021

Worked on computer vision applied to satellite imagery towards sustainable development goals (w/ Natalia Efremova).

Research Intern, Curious AI

January 2019 - April 2019

Worked on model uncertainty for planning in model based reinforcement learning (w/ Matthias Berglund).

Research Assistant, University of Oxford

June 2018 - August 2018

Worked on lightweight neural networks for mobile ultrasound analysis (w/ Ana Namburete).

TECHNICAL SKILLS

Scripting Languages

Python, MATLAB

Tools

PyTorch, Keras, Latex