SAGAR VAZE

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EDUCATION

Visual Geometry Group, Oxford University *October 2019 - 2023 (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*
Master of Engineering Science, Information Engineering, First Class Honours
Thesis: Segmentation of Adipose Tissue in Fetal Ultrasounds Using CNNs. **Qualcomm Award for Best Biomedical 4th Year Project**.
Modules included: Computer Vision & Robotics (90); Optimisation & Signal Analysis (94); Machine Learning (83); Advanced Probability & Dynamical Systems (90)

SELECTED PUBLICATIONS

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 Recongition: 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