SAGAR VAZE

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EDUCATION

Visual Geometry Group, Oxford University *October 2019 - Present*
PhD student in Machine Learning and Computer Vision
Co-supervised by Profs. Andrew Zisserman and Andrea Vedaldi
Facebook AI Studentship

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)

Yarm School *2007 - 2014*
4A*s at A-Level in Mathematics, Further Mathematics, Physics, Chemistry
3As at AS-Level in Politics, Design & Technology, General Studies
12A*s at GCSE including A* with distinction in Further Mathematics

WORK EXPERIENCE

Machine Learning Consultant *June 2019 - Present*
Projects include machine learning on satellite imagery towards environmental goals and computer vision for immersive content generation for marketing.

Research Intern, Curious AI *January 2019 - April 2019*
Worked on model uncertainty for robust planning in model based reinforcement learning.

ACADEMIC WORK

Open-set Recongition: A Good Closed-Set Classifier is All You need
ArXiv Preprint (Under Review), 2021. https://arxiv.org/abs/2110.06207 **Sagar Vaze**, Kai Han, Andrea Vedaldi & Andrew Zisserman

Semantically Grounded Object Matching for Robust Robotic Scene Rearrangement
ArXiv Preprint (Under Review), 2021. https://arxiv.org/abs/2111.07975 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

Segmentation of Adipose Tissue in Fetal Ultrasounds Using CNNs
Master's Thesis, Qualcomm Award for Best Biomedical Master's Thesis

TECHNICAL SKILLS

Scripting Languages	Python, MATLAB
Tools	PyTorch, Keras, Latex