

# MAX BAIN

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## EDUCATION

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**University of Oxford** *Oct 2019 - Present*  
Doctor of Philosophy in Computer Vision and Machine Learning  
Supervised by Prof. A Zisserman in the Visual Geometry Group (VGG).

**University of Oxford, Christ Church** *Oct 2015 - June 2019*  
Master of Engineering in Engineering Science Class I  
Thesis: Fine-Grained Recognition in the Wild (84).

## EXPERIENCE

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**SAP SE** Berlin, DE  
*Machine Learning Research Associate* *Summer 2019*  
Researching unsupervised methods for classifying fine-grained data.

**Visual Geometry Group, University of Oxford** Oxford, UK  
*Undergraduate Research Intern* *Summer 2018*  
Automated chimpanzee recognition, in collaboration Oxford anthropologists.

## PEER-REVIEWED PUBLICATIONS

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M. Bain, A. Nagrani, A. Brown, and A. Zisserman, “Condensed Movies: Story Based Retrieval with Contextual Embeddings”. To appear at *Asian Conf. on Computer Vision (ACCV) 2020*

M. Bain, A. Nagrani, D. Schofield and A. Zisserman, “Count, Crop and Recognise: Fine-Grained Recognition in the Wild”. In *IEEE International Conf. on Computer Vision Workshops (ICCVW) 2019, Wildlife Conservation Workshop*. **Oral Presentation**.

## HONOURS & AWARDS

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Research Studentship, **Nielsen** *2019 - 23*  
Best Information Engineering Thesis, **HMGCC** *2019*  
Impactful Research Award, **Sony** *2019*  
Diamond Jubilee Scholarship, **IET** *2015 - 19*  
Boyd Physics Prize, **UCS** *2015*  
British Maths Olympiad Qualifier, **UKMT** *2014*

## SKILLS AND INTERESTS

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**Programming:** Python, C/C++, Pytorch, Tensorflow

**Markup Languages:** HTML5, CSS, L<sup>A</sup>T<sub>E</sub>X

**Climbing:** Christ Church Mountaineering President, Oxford Varsity Boulderer ('19)