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Derby/Birmingham, UK 

Experienced data scientist and researcher passionate about using ML and data analytics for environmental sustainability and social good. Check out my data science projects on my [portfolio](#).

Campaigner for better access to the outdoors for everyone. Language enthusiast and musician. Speak to me in     !

EDUCATION

'18-'22 **MEng Information & Computer Engineering, University of Cambridge** Distinction (first class)

- 4th year topics: Machine Learning, Deep Learning, Computational Statistics, Computer Systems, Computational Neuroscience, Advanced Robotics, Management.

'11-'18: The Manchester Grammar School 5 A*s at A Level

PROFESSIONAL EXPERIENCE

AI Engineer *Kainos, Birmingham (08/'22-)*

- Starting my graduate career in data science consultancy!

Data Science Consultant Intern [\[blog\]](#) AWS, NLP, PyTorch *Data Reply UK, London (05-07/'21)*

- Developed first MVP for an NLP solution, which has been made public on AWS Marketplace.

Machine Learning Intern [\[blog\]](#) Python, scikit-learn *CentraleSupélec, Paris (03/'21-now)*

Software Engineer Intern Android Kotlin, Postman *Softwire (12/'20)*

- Introduced animation feature to Android train ticket app for release in an Agile team.

Data Science Researcher [\[article\]](#) [\[blog\]](#) Camera Calibration, OpenCV *Alan Turing Institute (03-06/'20)*

- Contributed to ML algorithm used widely by London authorities during COVID lockdowns.

Embedded Systems Intern [\[blog\]](#) Human-Machine-Interaction, VR, Unity *Dexta Robotics, Shenzhen (07-09/'19)*

RESEARCH EXPERIENCE

[\[blog\]](#) **Master's research.** A. Wang, "Dynamic latent spaces with statistical finite elements". 2022.

[\[link\]](#) **With Alan Turing Institute.** J. Walsh, O. Kesa, A. Wang, M. Ilas, P. O'Hara, O. Giles, N. Dhir, M. Girolami and T. Damoulas, "Near Real-Time Social Distance Estimation in London," arXiv:2012.07751 [cs.CY], Dec. 2020.

[\[link\]](#) **With CentraleSupélec.** P. Houdouin, A. Wang, M. Jonckheere and F. Pascal, "Robust Classification with Flexible Discriminant Analysis in Heterogeneous Data," 2022 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), pp. 5717-5721. 2022.

SKILLS

Professional/scientific experience

Python, '21 AWS Certified Cloud Practitioner, Git, [SQL for Data Science](#), Linux, OpenCV, scikit-learn, PyTorch, pandas, ggplot2, Jupyter, heroku, MATLAB, Unity C#, C++, Android with Java/Kotlin.