

andrewwang27 
andrewwango.github.io 
github.com/Andrewwango 
andrew.wang27@gmail.com 
Manchester/Cambridge, UK 
[redacted] 

ANDREW WANG

Cambridge Information and Computer Engineering student with a passion for Data Science and tackling open questions. Wide academic and industrial experience in ML & AI, Data Science and Robotics. Always curious, highly analytical and a fast learner, driven to make cutting-edge tech, communicate the results and create real world impact. Love making connections with people across disciplines and international boundaries!

LANGUAGES

Fluent French, English, Mandarin,
Advanced German (CEFR B2)

ACHIEVEMENTS

'21 AWS Certified Cloud Practitioner
'18-'22 IET Diamond Jubilee Scholarship
'17 International shortlisted photograph

HOBBIES

Uni. Hillwalking Club President, Jazz Band
leader, mountain running, piano & sax

EDUCATION

'18-'22 4th year MEng, University of Cambridge 1st class in all exams
4th year topics: Machine Learning, Deep Learning, Computational
Statistics, Computer Systems, Computational Neuroscience,
Advanced Robotics, Management.

Masters' project: improving Dynamical Variational Autoencoders
in [CSML group](#) @ Cambridge for deep sequence generation.



'11-'18: The Manchester Grammar School

5 A*s at A Level

PROFESSIONAL EXPERIENCE


Data Science Consultant Intern AWS, Computer Vision, PyTorch

Data Reply UK, London (05-07/'21)

- Implemented custom end-to-end NLP pipeline for call centre sentiment analysis.  [/aws-custom-calls](#)
- Developed clear visualisation dashboard using AWS Quicksight for fast business intelligence.
- Developed [open set image classifier](#), achieving 93% accuracy with transfer learning.  [/open-set-resnet](#)

Machine Learning Intern Image classification, scikit-learn

CentraleSupélec, Paris (03/'21-now)

- Developed robust classifier to outperform state-of-the-art on contaminated datasets.  [/femda](#)
- Implemented sklearn-style algorithm with 10x speed improvement. Paper in redaction for ICASSP.


Software Engineer Intern Android Kotlin, Postman

Softwire (12/'20)

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


Data Science Researcher [\[link\]](#) Camera Calibration, OpenCV

Alan Turing Institute (03-06/'20)

- Built automatic scalable feature extraction tool for traffic cameras across 1000 locations in London.
- Paper "Near Real-Time Social Distancing in London" in preprint.  [arXiv:2012.07751 \[cs.CY\]](#)

Embedded Systems Intern Human-Machine-Interaction, VR, Unity

Dexta Robotics, Shenzhen (07-09/'19)

- Implemented biomechanical sensor system (under \$15 and 10g) to capture 100% more movement on exoskeletal glove and learn users' movements using regression/sensor fusion.  [/tof_sensor_dexmo](#)
- Published under US patent. Exhibited at SIGGRAPH 2019 in LA to 300 potential clients/stakeholders.

SKILLS

Professional/scientific experience

Git, Python, AWS Cloud, AWS SageMaker,
OpenCV, scikit-learn, PyTorch, pandas, ggplot2,
Jupyter, heroku, SQLite, MATLAB, Unity C#,
C++, Android/Kotlin.

Experience/knowledge

SQLite, TensorFlow, PySpark, C

Constant self-learning and studying for MOOCs such as
SQL for Data Science, Big Data, Deep Learning