

# Herbie Bradley

✉ [mail@herbiebradley.com](mailto:mail@herbiebradley.com)  
🐦 [@herbiebradley](https://twitter.com/herbiebradley)

🔗 [herbiebradley.com](https://herbiebradley.com)  
🐙 [github.com/herbiebradley](https://github.com/herbiebradley)

## EDUCATION

---

2019 - 2020    **MSc Data Analytics**    **University of Warwick**

2019    **BSc (Hons) Computer Science and Mathematics**    **Keele University**  
First Class | Final Grade: **79%** | Dissertation Grade: **76%**  
**Highlights:** Natural Computation: 90% | Android Development: 90%  
Probability: 100% | Differential Equations: 92% | Abstract Algebra: 87%  
**Dissertation:** "An Exploration of Style Transfer with Deep Learning"  
**Supervisor:** Professor Peter Andras

## PROJECTS

---

SENTIO 2020	<b>Python</b> Online deep learning model for classifying the sentiment of Tweets, in PyTorch. <ul style="list-style-type: none"><li>• Classifies Tweets as positive, negative or neutral sentiment.</li><li>• Model is deployed to a web server using Flask.</li></ul>
CYCLEGAN 2019	<b>Python</b> Tensorflow implementation of the CycleGAN deep learning model for style transfer ( <a href="#">Zhu et al., 2017</a> ). <ul style="list-style-type: none"><li>• Capable of general image-to-image translation. For example: Photo⇌Monet, Summer⇌Winter, Horse⇌Zebra.</li><li>• Uses Tensorflow's Eager Execution model and Keras API.</li><li>• Part of final undergraduate project.</li></ul>
PERSONAL BLOG 2018	<b>HTML, CSS, Jekyll</b> A personal site and blog made with the Jekyll static site generator. <ul style="list-style-type: none"><li>• Uses custom CSS and HTML for a responsive theme.</li><li>• Includes Disqus comments, Google analytics, and SEO optimisation.</li></ul>
FARM LOGGER 2017	<b>Java - Android Studio</b> An Android app for management of a farm. <ul style="list-style-type: none"><li>• Utilises an SQLite database to allow users to add, edit and delete records.</li><li>• Includes functionality to export the database to a CSV file.</li><li>• Project for Android Development module.</li></ul>

## SKILLS

---

KNOWLEDGE OF:    Python, Machine Learning (Tensorflow, PyTorch, Keras), C++, Git,  
                              Java (Android Development), Linux, MATLAB,  $\LaTeX$   
EXPOSED TO:    R, SQL, HTML, CSS, JavaScript, Ruby, Weka, Lua, Mathematica

## PRESENTATIONS

---

JANUARY 2020 *Finding Sparse, Trainable Neural Networks* - Class Presentation  
APRIL 2019 *Style Transfer with Deep Learning* - Keele ML Research Group  
MARCH 2019 *The NEAT & HyperNEAT Algorithms* - Class Seminar

## AWARDS

---

2019 - 2020 Warwick Taught Masters Scholarship - Full Tuition Fee Waiver

## OTHER

---

NOVEMBER 2018 Coursera Deep Learning Specialisation - 100%  
MARCH 2014 ATCL Diploma in Piano Performance (Distinction)

British national and UK resident.