

Herbie Bradley

CONTACT & SOCIAL MEDIA

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EDUCATION

2016 - **Computer Science and Mathematics BSc** **Keele University**
PRESENT Predicted: First | 1st Year: **87%** | 2nd Year: **85%**
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

FAST NEURAL STYLE 2019	Python PyTorch implementation of the Fast Neural Style deep learning model (Johnson et al., 2016). <ul style="list-style-type: none">• Capable of transforming any image into the style of a second image, often a painting or sketch.• Part of final undergraduate project.
CYCLEGAN 2018	Python Tensorflow implementation of the CycleGAN deep learning model for style transfer (Zhu et al., 2017). <ul style="list-style-type: none">• Capable of general image-to-image translation. For example: Photo⇌Monet, Summer⇌Winter, Horse⇌Zebra.• Uses Tensorflow's Eager Execution model and Keras API.• Part of final undergraduate project.
PERSONAL BLOG 2018	HTML, CSS, Jekyll A personal site and blog made with the Jekyll static site generator. <ul style="list-style-type: none">• Uses custom CSS and HTML for a responsive theme.• Includes Disqus comments, Google analytics, and SEO optimisation.
KEELE ACORN-MAN 2018	Java A Pac-Man inspired game with Keele University themed art. <ul style="list-style-type: none">• Features scores, power-ups, and path-finding AI to chase player.• Group project for Software Lifecycles & Development module.
FARM LOGGER 2017	Java - Android Studio An Android app for management of a farm. <ul style="list-style-type: none">• Utilises an SQLite database to allow users to add, edit and delete records.• Includes functionality to export the database to a CSV file.• Project for Android Development module.

SKILLS

KNOWLEDGE OF: Python, Java, Machine Learning (Tensorflow, PyTorch, Keras, NumPy),
UnixLinux, Git, Android Studio, \LaTeX
EXPOSED TO: C++, SQL, HTML, CSS, JavaScript, Ruby, MATLAB, Mathematica

PRESENTATIONS

MARCH 2019 *Style Transfer with Deep Learning* - Keele Machine Learning Reading Group
MARCH 2019 *The NEAT & HyperNEAT Algorithms* - Class Seminar

AWARDS

MARCH 2019 Keele Social Squad Competition - Blog Post

OTHER

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

British national and UK resident.